

# MIKE BROWN

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## INTRODUCTION

I am a Java/Spring microservice API developer in the Denver area with AWS and Azure cloud experience. I am open to remote or hybrid roles, contract or direct hire. My front-end experience is not current, so back-end/server-side roles are a better fit.

**Technologies, tools and methodologies worked with over the years:** Agile, AngularJS, Android (native), Azure, Behavior Driven Development (BDD), Bitbucket, Bootstrap, C#, Cassandra, Cloud, CSS, Continuous Integration/Continuous Delivery (CI/CD), Coherence, Confluence, Cucumber, DevOps, Docker, Elasticsearch, event driven architecture, Flyway, Gherkin, Git, GitHub, GitLab, GraphQL, Groovy, Guice, GWT, HATEOAS, Hazelcast, Hibernate, HTML5, IntelliJ IDEA, IaC, IoC, Jenkins, Java, JavaScript, Jira, JPA, JSON, JUnit, Kafka, Linux, Liguibase, Log4j, MacOS, Maven, Microservice, Mockito, multi-threaded programming, MongoDB, MySQL, Nginx, NoSQL, Open API, Oracle, OOA/OOD, OWASP, PowerMock, Postman, Postgres, RDMS, reactive APIs, Redis, REST API, Scrum, Selenium, Serverless, SLF4J, Source Tree, Splunk, Spock, Spring, Spring Boot, Spring Data, Spring Fox, Spring MVC, SQL, Sumo Logic, Swagger, Tomcat, WebFlux, YAML

**AWS Technologies worked with:** API Gateway, CloudFormation, CloudWatch, CodeCommit, CodePipeline, DynamoDB, EC2, IAM, Kenisis, Lambda, Route 53, SAM, SES, SNS, SQS, S3, VPC

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## PROFILE

- ▶ Extensive software development experience, 20 years of Java development
- ▶ Varied industry experience including commercial websites, medical, finance, banking, telecom, aerospace, consulting, energy, GIS, R&D, subscription television, commercial websites, promotion and entertainment
- ▶ U.S. citizen

### Strengths:

- ▶ Values customer needs and desires
- ▶ Broad experience which translates into quick understanding
- ▶ Designs and codes quickly
- ▶ Values simplicity/clarity/intuitiveness of design, proper separation of concerns, and meaningful naming
- ▶ Strong verbal and written communication skills, effectively addressing both technical and non-technical audiences
- ▶ Independent worker who takes initiative and is resourceful in solving problems
- ▶ Has worked on numerous agile teams
- ▶ Skilled at refactoring
- ▶ Enjoys challenging problems that require ingenuity to solve
- ▶ Designs for reliability, maintainability, ability to monitor, extensibility, scalability, responsiveness, testability and user delight
- ▶ Thinks in terms of the big picture, making sure all areas get addressed
- ▶ Likes to consider how to make thing better and avoid repeating undesired outcomes
- ▶ Raises “sanity check” questions when appropriate to confirm that the implications of the requested work are acceptable
- ▶ Team player, helping where needed
- ▶ Appreciative of others’ strengths
- ▶ Likes mentoring and answering questions
- ▶ Likes to work through ideas with colleagues (loves good ideas regardless of their source)
- ▶ Down-to-earth with a sense of humor

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\* Lest you think I’m completely strange, the *superbrown.com* domain was inspired by my son Logan, who, when he was four, regularly introduced himself as “Super Logan,” demarking himself as our household’s superhero. Well, maybe there’s still a degree of “strange” in there. =o)

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## COMMERCIAL EXPERIENCE

### *AutoNation*

03/2023 – 06/2023 · Contract · Remote  
Reason for Leaving: Contract completed

#### **Senior Java/Spring based API developer for automotive “subscription” website**

**Tools/Technologies:** Azure, AWS, Braze, Confluence, Docker, Experian, Git, Gitlab, Hibernate, IntelliJ IDEA, Java, JPA, JSON, Maven, MySQL, Open API, Postman, REST, Spring Boot, Spring Data, SQL, Source Tree, Stripe, Swagger, reactive apis using WebFlux, YAML

- ▶ Contributed to the development effort for a new automotive shopping website.
- ▶ Added functionality to integrate with Stripe, an external payment processing platform, to perform credit inquiries as part of the car order qualification process.
- ▶ Added functionality to integrate with Braze, an external customer engagement platform, to email customers copies of their signed contacts, as well as credit denial notices.
- ▶ Added the ability for customers to upload proof-of-identity documents.
- ▶ Added endpoints to retrieve documents.

### *Nasdaq Stock Exchange*

08/2022 – 02/2023 · Contract · Remote  
Reason for Leaving: Contract completed after extending twice

#### **Senior Java/Spring based API developer for a stock exchange API**

**Tools/Technologies:** AWS, Confluence, Docker, Git, GitLab, Groovy, Hibernate, IntelliJ IDEA, Java, Jira, JPA, JSON, Kafka, Liquibase, Maven, MySQL, Open API, Postgres, REST, Spring Boot, Spring Data, SQL, Source Tree, SES, Spock, Swagger, YAML

- ▶ Contributed development support for the launch of a public REST API for administering stock market trading limit rules used by the core Nasdaq trading system
- ▶ Created a comprehensive suite of end-to-end regression tests for the API
- ▶ Created a service for sending out email notifications to users
- ▶ Eliminated database concurrency failures
- ▶ Prepared database migration scripts
- ▶ Helped revamp the team’s GitLab workflow
- ▶ Prepared user and developer documentation
- ▶ Reviewed and updated Swagger documentation
- ▶ Eliminated unnecessary complexity in the codebase

08/2020 – 08/2022 · Contract · Remote

#### **Senior Java/Spring based API developer for a stock exchange premium reports website**

**Tools/Technologies:** AWS, Confluence, Flyway, Git, GitLab, Groovy, Hibernate, IntelliJ IDEA, Java, Jira, JPA, JSON, Maven, MySQL, REST, Spring Boot, Spring Data, Source Tree, Spock, YAML

- ▶ Was the Java development resource for porting US customer-facing premium report generation applications to the European stock exchange to meet governmental reporting requirements
- ▶ Customized applications to accommodate market-unique circumstances and business requirements
- ▶ Tightened up functional “loose ends” in the applications, as well as implemented new features and enhancements
- ▶ Eliminated out-of-memory crashes by eliminating most of the application’s memory footprint
- ▶ Conceived and developed a way to maintain hundreds of report subscriptions by uploading a spreadsheet rather than manually creating them one at a time on the site
- ▶ Greatly improved logging, providing detailed monitoring of performance

- ▶ Greatly improved server startup time by optimizing data cache initialization
- ▶ Prepared developer documentation
- ▶ Facilitated requirements gathering
- ▶ Interfaced regularly with business stakeholders
- ▶ Addressed dozens of vulnerabilities revealed by information security scans
- ▶ Provided Spock training for development staff
- ▶ Was a highly valued team player

## ***Spectrum / Charter Communications***

07/2019 – 07/2020 · Contract · Remote

Reason for Leaving: Contract completed after extending once

### **Senior Java/Spring API developer for Spectrum's customer website's API**

**Tools/Technologies:** Agile, Bitbucket, Cassandra, Confluence, Git, GraphQL, Groovy, Hibernate, IntelliJ IDEA, Java, Jenkins, Jira, JPA, JSON, Kafka, Maven, Postgres, Postman, Redis, REST, Scrum, Spring Boot, Spring Data, Source Tree, Spock, Swagger, YAML

- ▶ Developed REST and GraphQL APIs and event handlers to support the company's Spectrum Enterprise Portal, which provides network metrics, billing, login, network topology, voice metrics and other data to enterprise clients such as WalMart, 7Eleven, HEB Groecers, etc.
- ▶ Conducted training and mentored junior developers
- ▶ Re-organized library dependencies to facilitate consistency across projects
- ▶ Provided Spock training for development staff
- ▶ Participated in daily stand-ups, story grooming, sprint planning, code reviews and retros

## ***Dice.com***

08/2018 – 05/2019

Reason for Leaving: Wasn't comfortable with new tech lead

### **Senior C# and Java API developer for the Dice.com website**

**Tools/Technologies:** Agile, AWS API Gateway, AWS CloudFormation, AWS CloudWatch, AWS CodeCommit, AWS CodePipeline, AWS DynamoDB, AWS Kinesis Firehose, AWS Lambda, AWS SAM, AWS Route 53, AWS SNS, AWS S3, Bitbucket, C#, Confluence, Devops, Git, Grafana, IntelliJ IDEA, Java, Jira, JSON, Maven, Postman, REST, SAM templates, Scrum, Serverless, Spock, Source Tree, YAML

- ▶ Developed AWS Lambda-based microservice APIs and event handlers to support the determination of resume-to-job-description match quality and fraud prevention.
- ▶ Hands-on with all aspects of microservice development; set up Cloud Formation/SAM templates (IaC) and Code Pipelines (CICD); wrote code to consume and publish SNS messages, persist data in DynamoDB databases (NoSQL) and S3 buckets, and call external REST APIs; set up monitoring dashboards in CloudFormation, Grafana and Splunk; set up alarming; set up logging to capture metrics of interest in JSON; produced devops documentation; monitored production and worked tickets.
- ▶ Participated in daily stand-ups, story grooming, sprint planning, code reviews, demos and retros.

## ***HomeAdvisor.com***

07/2017 – 07/2018

Reason for Leaving: Decided it wasn't a place I wanted to work long-term, too chaotic

### **Senior Java/Spring API developer for the HomeAdvisor.com website**

**Tools/Technologies:** Agile, Coherence, Confluence, Elasticsearch, Git, Gitlab, IntelliJ IDEA, Java, Jenkins, Jira, JSON, Kafka, Linux, Maven, Oracle, Postman, REST, Scrum, Spock, Spring Boot, SLF4J, Source Tree, SQL, Sumo Logic, Swagger, Tomcat

- ▶ Developed APIs that allow homeowners the ability to immediately book appointments or get a service provider on the phone
- ▶ Worked production tickets

- ▶ Conceived and developed a tool for cleaning up temporary test data
- ▶ In support of development and testing, conceived and developed a tool for recording the granular outcomes of decision steps within the site's customer-to-contractor matching engine
- ▶ Evangelized a means of simplifying and improving system-wide health monitoring, separating root causes from their symptoms
- ▶ Created Sumo Logic dashboards for monitoring individual service endpoint failures
- ▶ Mentored junior developers
- ▶ Provided "clean code" training for development staff
- ▶ Participated in daily stand-ups, story grooming, sprint planning, code reviews, demos and retros.

## ***Ball Aerospace***

03/2017 – 07/2017 · Contract · Remote

Reason for Leaving: Was a fixed, short-term contract.

### **Senior Java/Spring API development for a Ball Aerospace GIS (mapping) API product**

**Tools/Technologies:** Docker, DockerHub, GDAL, GIS, Git, IntelliJ IDEA, Jenkins, Java, JSON, Linux, Log4j, Maven, Nginx, Postman, Rally, REST, Selenium, SLF4J, Source Tree, Spock, Spring Boot, SpringFox, Swagger

- ▶ Made final preparations for adding a GIS-related API to the AWS Marketplace  
Link: <https://aws.amazon.com/marketplace/pp/B0777R9JRJ>
- ▶ Wrote components for ingesting geographic map data in various formats
- ▶ Modified microservices to use Spring Boot
- ▶ Addressed thread safety issues
- ▶ Added centralized error handling

## ***CenturyLink***

05/2016 – 02/2017 · Contract

Reason for Leaving: Contract completed after being extended once

### **Senior Java/Spring API developer for a Centurylink commercial email API**

**Tools/Technologies:** Agile, Artifactory, Behavior Driven Development (BDD), Cucumber, ElectricFlow, Gherkin, Jira, Git, Groovy, IntelliJ IDEA, Jenkins, Jira, Jolokia, Java, JSON, JUnit, Linux, Log4j, Maven, Microservice, Postman, Rally, REST, Scrum, Selenium, SLF4J, Source Tree, Spock, Spring Boot, SpringFox, Splunk, Swagger

- ▶ Developed REST APIs in support of a commercial SMS messaging (text messages)
- ▶ Prepared Cucumber tests for automated acceptance and integration testing, including a mechanism for guaranteed restoration of server settings
- ▶ Helped set up test execution in lab environments
- ▶ Wrote extensive unit tests, achieving near 100% coverage (as mandated)
- ▶ Participated in daily stand-ups, story grooming, sprint planning, code reviews, demos and retros.

## ***National Renewable Energy Laboratory (NREL)***

07/2015 – 03/2016 · Contract

Reason for Leaving: Contract completed after extending twice

### **Senior Angular/Java/Spring/MongoDB full stack developer for R&D laboratory data software and US government energy websites and APIs**

**Tools/Technologies:** Agile, AngularJS, Ant, Apache POI, API Umbrella, Bootstrap, Bower, GitHub, GWT, HATEOAS, Hibernate, HTML5, IntelliJ IDEA, Jenkins, Java, JavaScript, J2EE/Enterprise Java, JQuery, JPA, JSON, JUnit, Log4j, Maven, Microservice, MongoDB, MySQL, NoSQL, ORM, REST, Source Tree, Spring Boot, SVN (Subversion), SQL, Tomcat, YAML

- ▶ In a three month timeframe, personally developed a web-based application for managing scientific research laboratory data. The app ingests spreadsheets and CSV files, parses them, archives them, and stores their data in a NoSQL database. The data is then searchable by any field present in the data

and/or any metadata entered by the user at the time of upload. Search results can be exported in spreadsheet form, and originally ingested data files are downloadable. The app is targeted for use within the government and academic research communities. Beyond development, addressed information security audit findings, prepared documentation and assisted with test and production deployments.

**Independent write-up from NREL's news site:** [https://github.com/superbrown/data-repository-app/raw/master/documentation/04-04-2016\\_NRELNNow\\_NBCSpreadsheetManagerTool.pdf](https://github.com/superbrown/data-repository-app/raw/master/documentation/04-04-2016_NRELNNow_NBCSpreadsheetManagerTool.pdf)

**Documentation:** <https://github.com/superbrown/data-repository-app/raw/master/documentation/Data%20Repository%20App%20-%20Documentation.docx>

**Source code:** <https://github.com/superbrown/data-repository-app>

- ▶ Prepared the Energy Innovations REST API for its public launch. This included double-checking that it satisfied its requirements, demoing it to its business owner, supporting it through security audit, setting it up to work behind API Umbrella, and preparing its documentation.
- ▶ Worked on The U.S. Department of Energy's Energy Innovation Portal website, making minor content changes and fixing a broken build and deployment process using Maven and Jenkins. Repaired a weekly batch process that ingests data from the U.S. Patent Office that had been failing for over a year.

## ***Levels Beyond***

07/2014 – 05/2015

Reason for Leaving: Was laid off

### **Senior Java/Spring API developer for entertainment industry media distribution software**

**Tools/Technologies:** Agile, Cayenne, CloudBees, Confluence, Git, GitHub, Hazelcast, IntelliJ IDEA, Jenkins, Java, JMS, JUnit, Linux, Log4j, Maven, Mockito, Mule, ORM, PowerMock, Postgres/PostgreSQL, REST, Scrum, SOAP, Source Tree, Spring, SQL, Tomcat, XML, XSD, Unix, WSDL

- ▶ Worked on APIs, modifying and expanding Comcast AdDelivery, an application used to distribute television and radio ads to media outlets  
Product website: <https://www.comcasttechnologiesolutions.com/ad-demand-suite/ad-delivery>
- ▶ Helped redesign and implement the architecture to accommodate server clustering with fail-over. This involved disabling the ORM layer's data caching, using Hazelcast to share cached state between server nodes, and putting in place mechanisms to re-start abandoned workflow tasks.
- ▶ Mentored junior developers; participated in code reviews; provided "clean code" training for the development staff; helped introduce unit tests to the project; conducted functional tests and troubleshoot issues; provided content for the team's wiki, including product release notes.
- ▶ Participated in daily stand-ups, story grooming, sprint planning, code reviews, demos and retros.

## ***ThinkTank***

03/2014 – 06/2014

Reason for Leaving: Was part of a layoff so the company could hire more sales staff

### **Senior Java/Spring API developer for commercial group collaboration software**

**Tools/Technologies:** Agile, CloudBees, Confluence, Java, Guice, Git, GWT, IntelliJ IDEA, Jenkins, Java, Jira, JUnit, JSON, Log4j, Maven, Mockito, ORM, PowerMock, Postgres/PostgreSQL, REST, Scrum, Spring, Spring Security, XML, Tomcat

- ▶ Enhanced APIs
- ▶ Wrote code to integrate the product with SiteMinder single sign-on authentication using Spring Security
- ▶ Worked bug tickets
- ▶ Participated in daily stand-ups, story grooming, sprint planning, code reviews, demos and retros.

## ***U.S. Bank / Elavon***

09/2009 – 01/2014

Reason for Leaving: A commute change necessitated finding work in a different part of town

### **Senior Java/JSP full stack developer for internal banker and call center software**

**Tools/Technologies:** Agile, Ajax, Ant, Axis, ClearCase, CSS, CXF, Dojo, Eclipse, HTML, IntelliJ IDEA, Jasper, Java, JavaScript, J2EE/Enterprise Java, JMS, JSP, JSTL, jQuery, JUnit, Log4j, RAD (IDE), Scrum, Servlets, SOAP, Spring MVC, Struts, Tiles, XML, WebSphere, WSDL

- ▶ Enhanced internal customer service applications used by bankers and 24-hour call center personnel
- ▶ Revamped a large application to use CSS to support multiple branding
- ▶ Worked production tickets
- ▶ Wrote a utility for conducting sophisticated searches of application logs (including zipped archives) over multiple production servers, making it easier to research production issues (these were the days before tools like Splunk)

### **Senior Java/JSP full stack developer for commercial credit card websites**

**Tools/Technologies:** Ant, CSS, EasyMock, Eclipse, Harvest/SCM, HTML, IntelliJ IDEA, i18n, Java, JavaScript, J2EE/Enterprise Java, JBoss, JDBC, JMockit, JMS, JSP, JSTL, jQuery, JUnit, Log4j, Oracle, RCP, Servlets, SOAP, Struts, SVN (Subversion), Swing, SWT, XML, XSD, SQL, Tomcat, WebLogic, WebSphere

- ▶ Worked on a small team maintaining and enhancing three international websites merchants use to generate reports on their business' credit card transactions.
- ▶ Was personally responsible for a merchant website with 200,000 registered users
- ▶ Attended meetings, reviewed/approved requirements, provided estimates, developed code, coordinated monthly deployments and provided production support.
- ▶ Wrote user interface software using Struts and SWT; interfaced regularly and closely with business owners to provide rapid turn-around on site enhancements to address business needs as well as address defects; made software changes to address PCI (Payment Card Industry) security audit findings, improved logging to enhance failures diagnosis and added alarming; expanded internationalization functionality; created the team's code review standards; created an extensive wiki to document the team's supported products, technologies and tools, development process, development environment setup, production support procedures, troubleshooting notes, and cover general administrative topics.

## ***Collect America (a.k.a. SquareTwo Financial)***

10/2007 – 09/2009

Reason for Leaving: The project concluded

### **Senior Java/JSF full stack developer for collection agency call center software**

**Tools/Technologies:** ADF, Ajax, Ant, CSS, EasyMock, EJB 3.0, HTML, IntelliJ IDEA, Jasper/JasperReports, Java, JavaScript, J2EE/Enterprise Java, JBoss, JDBC, JFace, JMS, JPA, JSF, jQuery, JUnit, Log4j, Oracle, Selenium, SVN (Subversion), XML, SQL, UML

- ▶ Worked on a large project to develop online software for the company's call center and business operations.
- ▶ Developed many of the application's very specialized search pages. This included developing a flexible, extendable framework for executing searches over more than 80 database tables, filtered on any combination of over 100 user selectable fields, using user selectable comparison operators, the inventory of which was configurable per field. The framework generated extremely complex SQL queries on-the-fly, including lengthy joins determined by the fields in the filter and the desired result set.
- ▶ Coordinated efforts with QA and user experience personnel
- ▶ Wrote use case and design documents
- ▶ Wrote UI tests using Selenium
- ▶ Wrote code to generate JasperReports

## ***Echostar / Dish Network***

05/2007 – 10/2007 · Contract

Reason for Leaving: Was a 6-month contract-to-hire, but decided to accept another offer rather than convert

### **Java developer for business-to-business data integration software**

**Tools/Technologies:** Ant, Axis, IntelliJ IDEA, Java, JDOM, JUnit, Log4j, Maven, SAX, SOAP, XML, XSD, XSL

- ▶ Developed software for processing incoming customer data from Dish's business partners (e.g. AT&T and Sprint)
- ▶ Facilitated analysis and definition of business rules with business staff, documented them and implemented corresponding changes to existing workflow logic
- ▶ Wrote extensive unit tests
- ▶ Wrote code to interface with WebMethods SOAP services
- ▶ Redesigned software to eliminate excessive memory usage and capture better information for failure analysis
- ▶ Wrote XSL transforms to present processing results in multiple "user-friendly" web pages, as well as flat files to serve as input for further processing outside the system
- ▶ Refactored code to make application configuration easier

## ***Thomson Micromedex***

10/2006 – 03/2007 · Contract

Reason for Leaving: Was a short-term contract

### **Java/SWT full stack developer for commercial hospital patient care software**

**Tools/Technologies:** Agile, CVS, Eclipse, HTML, IntelliJ IDEA, Java, JavaScript, J2EE/Enterprise Java, JBoss, JFace, SWT, XML

- ▶ Supplemented staff for an important delivery
- ▶ Implemented various user interface features using SWT/JFace
- ▶ Refactored code to make error handling consistent and reliable

## ***Computer Sciences Corporation - for Gulfstream Aerospace***

02/2005 – 10/2006 · Contract · Remote

Reason for Leaving: Laid-off due to outsourcing

### **Technical lead and Java/JSP full stack developer for aircraft "mass properties" application**

**Tools/Technologies:** CSS, Java, HTML, IntelliJ IDEA, Java, JavaScript, J2EE/Enterprise Java, JDBC, JSP, Struts

- ▶ Led a team to develop an online application for the engineering staff to calculate the physical characteristics of aircraft slated for production – including mass, center of gravity and inertia – to determine flight-worthiness
- ▶ Played a key role in defining the technical requirements of the system, created UI prototypes; developed the UI and the backend

### **Java/SWT full stack developer for manufacturing production line scanner software**

**Tools/Technologies:** Ant, EJB, IntelliJ IDEA, Java, JDBC, JDOM, Log4j, SOAP, SQL, SWT, Tomcat, XML, XSD

- ▶ Personally developed the bar code scanner software used throughout Gulfstream's manufacturing operation. The software interprets a series of bar code scans and communicates with networked resources in response. (Was told a few years later that it continued to work with no issues.)

**Java based utility developer  
for FCC aircraft design auditing software**

Senior Developer, FCC design auditing software for Gulfstream Aerospace

**Tools/Technologies:** IntelliJ IDEA, Java, SAX

- ▶ Personally developed a tool to document variances between aircraft bill-of-materials (part lists), necessary to fulfill FCC regulatory auditing requirements. It was basically a sophisticated app to identify deltas between too-large-for-memory XML files using a SAX parser.

***Computer Sciences Corporation - for Level (3) Communications***

11/2004 - 02/2005 · Contract

**Technical lead and developer  
for telecom order processing software**

**Tools/Technologies:** EasyMock, EJB, IntelliJ IDEA, Hibernate, Java, JUnit, JDBC, Log4j, Spring, XSL, UML

- ▶ Led a team of four developers in creating workflow components for an order processing system
- ▶ Analyzed business requirements and produced a detailed design for the team, decoupled existing workflow activity components from DAO components, worked with architects to migrate error handling from individual activity components to the workflow engine

***GE Energy / Smallworld***

06/2001 – 09/2004

Reason for Leaving: Team was disbanded due to outsourcing

**Magik language backend developer  
for commercial application server for hosting GIS internet applications (i.e. map websites)**

**Tools/Technologies:** DOM, HTML, Magik, REST, SAX, SOAP, XMI, XML, XSD, XSL, UML, WSDL

- ▶ Worked on a team implementing a commercial application server, the Smallworld Internet Application Server (SIAS) ([https://www.gegridsolutions.com/geospatial/catalog/smallworld\\_appserver.htm](https://www.gegridsolutions.com/geospatial/catalog/smallworld_appserver.htm)), for hosting GIS applications used by utility companies and municipalities around the world.
- ▶ Designed, implemented, tested and documented various server sub-systems; collaboratively tackled complex design and architectural issues, prepared requirement and design artifacts
- ▶ Implemented API endpoints for the sample GIS application shipped with the product
- ▶ Wrote components for handling HTTP messages, including header interpretation and creation, message chunking, response code generation, and client language matching
- ▶ Designed and implemented the application server's authentication and authorization functionality

**Technical lead and Java/Swing full stack developer  
for commercial GIS desktop application**

**Tools/Technologies:** Ant, ClearCase, IntelliJ IDEA, IoC, i18n, Java, JUnit, Log4j, Servlets, Swing, XML, Tomcat, UML

- ▶ Led small development team supporting a commercial GIS application used by utility companies (similar to Google maps but with expanded capabilities in the area of searching, navigation and printing).
- ▶ Prepared project plan estimates; conducted status meetings; represented development team to management; conducted design sessions; prepared architecture, requirement, design and product installation documentation; managed requirements scope; interfaced with customer engineers to resolve issues; advised UI designers regarding technical feasibility, tackled design issues related to component de-coupling, multi-threading, connection pooling and internationalization.

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**EDUCATION**

***Professional Certificate, Computer Science***

University of California, Los Angeles (UCLA)

GPA: 4.0

This program was supervised by the UCLA School of Engineering and mirrored their bachelor program's upper-division courses.

***Bachelor of Science, Business Administration & Marketing***

California State University, Long Beach

GPA: 3.6

Member of Beta Gamma Sigma (national honor society for upper ten percent of graduating class).

On President and Dean's Honor Roll for high academic achievement.

### **Additional Coursework**

- ▶ AngularJS
- ▶ Bootstrap
- ▶ Javascript
- ▶ MongoDB
- ▶ Programming Mobile Applications for Android
- ▶ Website Security
- ▶ Object Oriented Analysis/Object Oriented Design (OOA/OOD)
- ▶ Design Patterns
- ▶ Relational Database Modeling/Design
- ▶ Lean
- ▶ Software Testing