

Liam Kehoe

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SUMMARY

- 8 years of extensive experience in complete software development life cycle including user interaction and project management, requirements capture, analysis, design, development, testing, and deployment of Java based web applications.
- Well versed in Agile methodologies like SCRUM
- Excellent understanding of Aspect Oriented Programming (AOP) and Object Oriented Programming (OOP) concepts and using them to develop Service Oriented Applications (SOA).
- Expertise in Core Java, Collections, Streams, Lambda Expressions, and other Java 8 features.
- Experience developing applications with Eclipse, Spring Tool Suite, and Visual Studio Code.
- Experience in client-side development with HTML, CSS, Javascript, and Typescript
- Experience developing single page applications (SPAs) using the Javascript framework Angular.
- Experience using RxJS library for accessing data using HTTP Client, Observables, and consuming REST API Web Services in JSON formatted data.
- Experience with Routing, Data Binding, and Components in Angular.
- Experience with numerous design patterns such as Singleton, Factory, Abstract Factory, Dependency Injection, DAO (Data Access Object), and MVC (Model-View-Controller).
- Experience in using annotation-based Bean configurations in Spring Context and IoC Container using Component Scan.
- Expertise in developing web applications with RESTful Web Services using Spring, JPA, Hibernate, Maven, Spring Boot, Spring Data JPA, and Spring MVC.
- Experience with creating Microservices using Spring Boot and Netflix OSS (Zuul, Eureka, Ribbon, Hystrix)
- Experience in Database Technologies including RDBMS like MySQL.
- Experience with testing tools such as Jasmine, Karma, Mockito, JUnit, and JMeter.
- Experience with CI-CD with git, github, and dockers.
- Exposure to Kafka producer and consumer applications.
- Experience with Apache Tomcat web servers.
- Experience with investigating issues and resolving them in a production environment.
- Familiarity with deploying spring boot applications using AWS EC2 and S3.
- Excellent problem solving and analytical skills such as simplifying, pattern matching, and others.
- Excellent ability to learn quickly, as well as praised interpersonal skills.

EDUCATION

Bachelor of Science, Software Engineering
Embry-Riddle Aeronautical University, Daytona Beach, Florida

Dec 2014

TECHNICAL SKILLS

Programming Languages	Java, JavaScript, TypeScript, Python
Scripting Languages	Shell Scripting
Frontend Technologies	HTML 5, CSS 3, Javascript ES6, Bootstrap 4, Angular 6/10
Backend Technologies	Spring Boot REST API Web Services, Data JPA, JPA, Hibernate 5
Messaging Technologies	Microservices with Kafka
RDBMS Database	12c/10g/9i, MySQL
NoSQL Database	MongoDB
Build Tools	Maven
Version Controls	GitHub, Bit Bucket
CI Tools	Jenkins
Cont. & Orch. Technologies	Docker, Docker Hub, Kubernetes
Cloud Providers	AWS
Web Servers	JBoss, WebSphere, WebLogic, Tomcat 7.0/8.0
IDEs	Eclipse, Spring Tool Suite (STS), Visual Studio Code
Dev Methodologies	Agile, Waterfall
Dev Tools	TOAD, SQL Developer, Putty
Production Monitoring Tools	Zabbix
Operating Systems	Sun Solaris, UNIX, Linux, Windows

PROFESSIONAL EXPERIENCE

CNG Holdings Inc

July 22 - June 23

Cincinnati, Ohio

Sr. Developer / Production Support Engineer

CNG Holdings is a collection of brands with a wide array of products and services designed to cover financial needs. CNG Holdings provides services such as Xact Installment Loans, ChecknGo financial solutions, Allied Cash Advances, and Smartpay innovative leasing solutions for retailers. Worked on the new microservices introduced into the 3X Retail and 4X Online loan management systems (LMS) as well as to fix errors and bugs introduced into the systems during code changes.

Responsibilities:

- Developed new microservices introduced into updates for the 3X Retail and 4X Online LMS

- Implemented Multithreading and Collections technologies into the legacy systems.
- Used the Angular front-end framework with JSON formatted data for service requests.
- Analyzed data and utilized SQL queries in both Oracle and MySQL to certify production issue scenarios.
- Participated in the On Call primary and secondary support schedule.
- Collaborated with technical resources in a team-oriented environment to discuss ongoing major incidents
- Ensured the Service Level Agreements (SLAs) for all requests raised by business users were met in appropriate time.
- Used Agile methodology to ensure an iterative approach.
- Created test cases and test scripts.
- Partnered alongside the software development team for bug fixes and problem resolutions.
- Used Oracle and MongoDB to execute scripts in production.
- Monitored and ran pre-tested scripts to resolve routine day to day issues.
- Executed scripts in acceptance for incident tickets and resolved them.
- Supported applications in multiple environments requiring execution of AutoSys jobs and Database Scripts
- Interfaced with the business and legal teams to gather requirements that met Standard Operating Procedures (SOPs)
- Updated scripts in production as required.
- Provided Oracle, MySQL, and MongoDB support to all of the database applications.
- Worked with all levels including upper management and acted as a central point of contact for production issues.
- Closed any outstanding change tickets.
- Identified required test scenarios.
- Contributed to the data pipelines with Kafka.
- Identified bug sources using Zabbix logs.
- Analyzed production issues and proposed workarounds to ensure minimum business downtime.
- Participated in daily SCRUM meetings with multiple teams to discuss overall and individual work and setbacks.
- Participated in weekly change control call meetings to discuss current and upcoming code changes for production.
- Monitored deployment of code changes to report and resolve any major incidents caused by newly introduced bugs.
- Used Maven as the build tool.

Environment: HTML, CSS, Bootstrap, JavaScript, Typescript, Angular 10, Zabbix, Jasmine, Karma, Java, JPA-Hibernate, Spring Data JPA, Spring Boot, Spring Security, Spring AOP, Spring Core, Maven, Junit, Mockito, RDBMS Oracle, MongoDB, REST API/Web Services, Microservices, Kafka, GitHub, Jenkins, Dockers, Docker Hub, AWS, SonarQube, Jira, Eclipse, IntelliJ, VS Code

PNC Financial Services

Pittsburgh, Pennsylvania

Sr. Developer

Jan 21 - July 22

PNC Bank is one of the largest banks in the United States by assets and branches and is one of the leading Small Business Administration lenders and credit card issuers. PNC provides asset management, loan servicing, and many other services for more than half of the US. Worked on the *Enterprise!* Loan Management System to increase efficiency of asset management, loan servicing, and loan accounting services.

Responsibilities:

- Developed RESTful APIs for modules in the project.
- Implemented Java 8 features such as lambda expressions and stream APIs for more efficiency.
- Successfully designed and implemented systems using Java technologies such as Multithreading and Collections.
- Used the Angular front-end framework with JSON formatted data for service requests.
- Involved in developing web pages and reusable components using Angular 10, HTML, CSS, and Typescript.
- Employed bootstrap for quicker web development.
- Implemented navigation and routing logic in Angular using Router.
- Designed user interfaces using Angular that communicates with services developed using the Spring Boot framework.
- Addressed functional requirements using Spring Boot and Hibernate ORM.
- Used Maven as the build tool.
- Developed Spring Boot based Microservices which interact via RESTful APIs.
- Implemented security measures using the Spring Security module.
- Employed Hibernate to implement many design patterns including Factory and Singleton.
- Developed microservices as per the business requirements.
- Developed REST APIs using Hystrix to provide fallback mechanisms for efficient fault tolerance.
- Implemented design patterns such as Singleton and Builder patterns.
- Contributed to the DevOps process using GitHub and Dockers.
- Contributed to building and maintaining the AWS S3 Buckets used for cloud storage.
- Contributed to the data pipelines with Kafka.
- Contributed to the Kafka consumer's API development in Spring Boot for consuming JSON messages from a Kafka broker.
- Mapped and retrieved data according to Java Persistence API (JPA) specifications using JPA-Hibernate and Spring Data JPA.
- Followed Agile and SCRUM methodologies during development.
- Active involvement in SCRUM meetings to discuss team and individual's work and setbacks.
- Participated in code review using SonarQube.

- Involved in testing with JUnit and Mockito as well as testing Angular with Jasmine.

Environment: HTML, CSS, Bootstrap, JavaScript, Typescript, Angular 10, Jasmine, Karma, Java, JPA-Hibernate, Spring Data JPA, Spring Boot, Spring Security, Spring AOP, Spring Core, Maven, Junit, Mockito, RDBMS Oracle, REST API/Web Services, Microservices, Kafka, GitHub, Jenkins, Dockers, Docker Hub, AWS, SonarQube, Jira, Eclipse, IntelliJ, VS Code

Selective Insurance

Jan 19 - Dec 20

Branchville, New Jersey

Sr. Developer

Selective Insurance is the 36th largest P&C insurance group in the US, providing personal, automotive, flood, and many other insurance types to twenty-six different states. Selective Insurance is also the fifth largest provider of “Write Your Own” flood insurance in the country through the National Flood Insurance Program (NFIP). Worked on the microservices involved in running intricate calculations on numerous insurance products.

Responsibilities:

- Adhered to the Agile software development process.
- Performed requirement gathering based on the needs of the client application.
- Implemented stream APIs and other Java 8 features in the project.
- Developed REST based Microservices according to project needs by implementing business logic using Spring Boot.
- Participated in converting a monolithic application structure to a microservice architecture structure.
- Developed loosely coupled microservices by using Spring Dependency Injection.
- Contributed to the application interfaces using the Angular framework.
- Used Validators to ensure certain input controls were valid.
- Developed application level code that interacted with the APIs using JSON.
- Designed and developed Single Page Applications (SPAs) in HTML, CSS, and Typescript using the Angular framework.
- Utilized various design patterns using Hibernate such as DAO, Singleton, and Factory patterns.
- Used Hibernate for persistence and transaction management.
- Employed Spring modules such as Spring Boot, Spring Security, and Spring Data JPA to achieve project requirements.
- Implemented Spring Bean Wiring, Spring DAO, and Spring AOP modules in the microservices.
- Created SQL queries and simple stored procedures in an Oracle database.
- Involved with testing using different frameworks such as Jasmine.
- Created JUnit and Mockito unit tests to test the Spring Boot RESTful Services.
- Used Maven as the build tool.

Environment: HTML, CSS, Bootstrap, JavaScript, Typescript, Angular 6, Java, JPA-Hibernate, Spring Data JPA, Spring Boot, Spring Security, Spring AOP, Spring Core, Maven, Jasmine, Karma, JUnit, Mockito, RDBMS Oracle, REST API/Web Services, Microservices, GitHub, Jenkins, SonarQube, Jira, Eclipse, IntelliJ

OfficeMax

Apr 17 - Dec 18

Boca Raton, Florida

Software Engineer

OfficeMax is a subsidiary of The ODP Corporation, with over 940 stores in 47 states. The ODP Corporation merged the store with Office Depot, creating the largest office supply chain in the United States. Worked on designing and implementing JSON based APIs in support of OfficeMax's Mobile Apps team.

Responsibilities:

- Worked with Jira to aid in various phases of the Agile development process.
- Analyzed business requirements for the application.
- Implemented Java 8 features such as streams and lambda expressions.
- Developed the application on the server side using Spring MVC and Hibernate.
- Provided security to the application using the Spring Security module to validate users.
- Utilized Spring Boot for dependency injection and integration with Hibernate.
- Developed RESTful microservices using Spring Boot, which is consumed by other microservices.
- Ensured loosely coupled applications via Spring's Dependency Injection.
- Developed DAO interface to interact with persistent entities.
- Implemented Spring Transaction management in the service classes.
- Implemented stored procedures on an Oracle database.
- Joined multiple tables using SQL Joins.
- Exposed to the CI/CD pipelines of the project.
- Worked with Eclipse and Spring Tool Suite to create Spring Projects.
- Tested the RESTful microservices with Mockito and unit testing with JUnit.
- Used Git for source control and version management.

Environment: Java, JPA-Hibernate, Spring Data JPA, Spring Boot, Spring Security, Spring AOP, Spring Core, Maven, JUnit, Mockito, RDBMS Oracle, REST API/Web Services, Microservices, GitHub, Jenkins, SonarQube, Jira, Eclipse, IntelliJ

Bed Bath & Beyond Inc**May 15 - Mar 17***Union, New Jersey**Software Developer*

Bed Bath & Beyond is one of the largest domestic merchandise retail stores in the US with over 1100 stores. Their retail chain operates in the United States, Canada, Mexico, and Puerto Rico, providing retail merchandise to millions of people every year. Worked on the Pre-Purchase Digital Engineering project to help customers discover and compare product information.

Responsibilities:

- Developed application using the MVC structure.
- Implemented Java collections such as HashMaps and Lists to store data efficiently.
- Used Java 8 features such as Lambda Expressions and streams.
- Implemented CRUD operations in the MySQL database using Spring and Hibernate.
- Developed the application using the Spring Framework utilizing the Model View Controller (MVC) architecture.
- Worked on the DAO layer using Hibernate and Spring Data JPA.
- Employed Hibernate for Object Relational Mapping.
- Developed web services using REST and deployed them on Tomcat server.
- Used JPA mappings to implement relations between multiple tables such as one-to-one, one-to-many, and many-to-one mappings.
- Created loosely coupled microservices based on the project requirements.
- Implemented stored procedures and basic SQL in an Oracle database.
- Used Git and GitHub for source control and version management.
- Used Eclipse as the IDE with Maven as the build tool.

Environment: Java, JPA-Hibernate, JSP, Spring MVC, Spring Core, Maven, RDBMS Oracle, GitHub, Tomcat, Linux, Eclipse