**Akhila Bezawada**

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**Full Stack Developer with 7+ experience   
  
Professional Summary:**

* 7+ years of experience in designing and developing scalable microservices and event-driven architectures using **Java, Spring Boot, Microservices** with experience in cloud technologies like **AWS S3**, API Gateways like **APIGEE**.
* 2+ years of experience in Amex with OneApp Learning.
* Worked on utilizing **Apache Kafka** as a Message Oriented Middleware for coordinating applications.
* Full-Stack development experience, building web applications using **React.JS** for front-end and Spring Boot for backend services.
* Strong learning in **RESTful** **API** for trading organized data in the usage of web administrations.
* Strong expertise in batch processing of large files using **Kubernetes PODs** and integrating cloud storage.
* Proficient in REST API development, securing APIs with **OAuth2**, and managing API traffic using **APIGEE API Gateway.**
* Experience in secure file handling with encryption mechanisms **(PGP)** and file-based integrations using batch processing frameworks.
* Experience in implementing Domain-Driven Design (**DDD**), **CQRS**, and **Event Sourcing** to build robust microservices.
* Expertise in Java 8+ features, including **Streams API**, lambda expressions, functional interfaces, and **multithreading**.
* Hands-on experience with Spring Framework modules, including **Spring Boot, Spring Security, and Spring Batch.**
* Experience in using Testing frameworks in Test Driven Development (TDD) such as **JUnit, Mockito.**
* Proficient in containerization and cloud deployment using **Docker, Kubernetes,** and CI/CD pipelines.
* Skilled in performance optimization and memory analysis using profiling tools like **JMeter, VisualVM**.
* Experience in database modeling and working with SQL and NoSQL databases like **PostgreSQL, MySQL**, and **MongoDB**.
* Extensive experience in UML Modeling diagrams developing Such as Use Case diagrams, Class diagrams and Sequence diagrams.
* Hands-on experience in logging, monitoring, and observability using tools like **ELK stack.**
* Expertise in developing critical & responsive GUI / front-end components using **HTML, JavaScript, CSS, JSON, JSP, Servlets, Ajax.**
* Extensive experience in SQL with databases such as **MySQL, Couchbase.**
* Good exposure in interacting with clients and solving application environment issues and can communicate effectively with people at different levels including stakeholders, internal teams, and the senior management.
* Excellent leadership and problem-solving skills, leading teams in troubleshooting complex issues and delivering scalable solutions.

**Technical Skills:**

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| **Languages** | Java (8+), SQL, JavaScript, Python |
| **Web Technologies** | HTML5, CSS, JavaScript, TypeScript, JSON, AJAX, XML, YAML, Angular.JS, React.JS, **OneApp UI** |
| **Frameworks** | Spring (MVC, IOC, Boot), Hibernate/JPA, Spring Boot |
| **Design & GUI Tools** | Eclipse, NetBeans, RAD, IntelliJ, TOAD, SQL Developer |
| **App/Web servers** | RESTful APIs, OpenAPI, Swagger, APIGEE (API Gateway) |
| **Databases/Tools** | Oracle, SQL Server, My-SQL, IBM DB2, Sybase, Windows, Linux, UNIX |
| **Messaging & Streaming** | Kafka |
| **Architectural Patterns** | Microservices, Event-Driven Architecture, Domain-Driven Design (DDD), CQRS, API Gateway |
| **Design/Version Control/Testing & Monitoring** | CVS, SVN, Git, JUnit, Mockito, Selenium, ELK Stack |
| **Operating Systems** | Windows, Linux (Ubuntu, Red Hat, CentOS), macOS |
| **Cloud Services** | AWS (S3, EC2, RDS, Lambda, API Gateway), Docker, Kubernetes, CI/CD (Jenkins), **Hydra, XLR Deployment Tool** |

**Work Experience:**

**Full Stack Developer** Mar 2022 - Current

**American Express** – Phoenix, AZ

**Project Summary:**

This project focuses on managing marketing offers for credit card users, enabling targeted promotions and personalized rewards. It includes a comprehensive lifecycle from campaign creation, offer setup, targeting, and advertisement to user redemption and reward processing. The system integrates with an external aggregator via an API and file engine for offer ingestion and transaction data exchange. A microservices architecture ensures scalability, with dedicated services for campaign management, customer engagement, transaction processing, and analytics. Using Kafka for messaging and Kubernetes for file processing enhances performance, while Apigee serves as the API gateway for secure and efficient communication.

**Responsibilities:**

* Involved in Analysis, Design, Development, Testing and Production phases of the application.
* Microservices Architecture: Designed and implemented microservices using **Spring Boot**, ensuring scalability and maintainability.
* Event-Driven Processing: Utilized **Kafka** as a messaging backbone to enable asynchronous event-driven communication between microservices.
* Cloud Storage & File Processing: Integrated **AWS S3** for storing and managing large datasets, along with **Kubernetes PODs** for batch file processing.
* Secure Data Handling: Implemented file encryption mechanisms for secure data transfer and **OAuth authentication** for securing REST APIs.
* Database Modeling: Designed and optimized relational database schemas, ensuring efficient data retrieval and storage.
* Java Stream APIs: Leveraged Java Streams for optimized data processing, improving application performance and readability.
* Frontend Development: Contributed to UI development using **React.js**, ensuring a seamless user experience.
* Technical Leadership: Led a team, provided solutions to complex issues, and ensured smooth project execution.
* Experience: 7 years of expertise in **Java, Spring Boot, Kafka, AWS, Kubernetes, React.js**, and secure API development.

**Environment**: Java, Spring Boot, ReactJS, Docker, Kubernetes, Microservices, AWS, MongoDB, Git, Jenkins, OAuth 2.0, PostgreSQL.

**Full Stack Developer** Nov 2020 – March 2022

**Citi Bank** – New York, NY

**Responsibilities:**

* Involved in analysis of organizational needs and goals for the development and implementation of application systems by involving business personnel.
* Developed RESTful microservices using **Java, Scala, and Spring Boot**.
* Leveraged core Java 8 features, including Lambdas, Streams, and Concurrency for efficient backend logic
* Integrated **Spring Security** with **OAuth2** for enhanced authentication and authorization.
* Designed cross-browser accessible interfaces using **Angular 4** and TypeScript.
* Built multi-tenant SaaS applications with responsive UIs using **ReactJS** and NodeJS.
* Implemented **Kafka** and RabbitMQ for message-driven architectures.
* Automated data analysis and reporting using **Python** and VBA scripts.
* Developed and maintained **CI/CD** pipelines for cloud deployments using Azure.
* Integrated Hibernate with S**pring** for efficient data access and management.
* Skilled in leading frameworks as **React JS** to build high-quality, scalable, and reusable components and Front-end solution
* Developed various helper classes needed following **Core Java**, Collections and Multi-Threading concept to process multiple tasks concurrently to make performance better
* Implemented Micro Services using **Spring Boot**, Spring Cloud and enabled discovery using consul Server
* Implemented Swagger framework for Restful web services documentation
* Responsible for the maven setup of the project along with deployment to **Docker**, worked with Docker Containers and building images Docker's file
* Used GitHub to maintain the version of the files and took the responsibility to do the code merges from branch to trunk and creating new branch when new feature implementation starts
* Used Spring Tool Suite (STS) IDE tool for application development

**Environment**: Java, Spring Boot, Angular 10, ReactJS, AWS, Docker, Kubernetes, Microservices, OAuth 2.0, Jenkins, GitHub, SQL, Swagger.

**Full Stack Developer** April 2019 – Oct 2020

**Sarnova** – Dublin, OH

**Responsibilities:**

* Participated in the entire lifecycle of **SDLC**, requirement gathering and analyzing functional requirement documents.
* Developed RESTful microservices using **Java, Scala, and Spring Boot**.
* Leveraged core Java 8 features, including **Lambdas**, Streams, and Concurrency for efficient backend logic.
* Integrated Spring Security with **OAuth2** for enhanced authentication and authorization.
* Designed cross-browser accessible interfaces using **Angular 4 and TypeScript**.
* Built multi-tenant SaaS applications with responsive UIs using **ReactJS** and NodeJS.
* Implemented **Kafka** and RabbitMQ for message-driven architectures.
* Automated data analysis and reporting using **Python** and VBA scripts.
* Developed and maintained **CI/CD** pipelines for cloud deployments using Azure.
* Enhanced UI builds and dependency management with **Gulp, NPM, and Bower**
* Integrated Hibernate with Spring for efficient data access and management.
* Developed custom UI components and services with Angular 7 and Spring MVC.
* Built and tested REST services with **JUnit, Mockito**, and Postman.
* Used Maven for building and deploying applications and tracked issues with JIRA.

**Environment:** Java, Scala, Spring Boot, Hibernate, Angular 4, ReactJS, Apache Kafka, Rabbit MQ, Azure, MongoDB, GitHub, Jenkins, Selenium.

**Java Developer.**  Sept 2017 - March2019

**BCBS** – Chicago, IL

**Responsibilities:**

* Developed custom UI components and services with **Angular 7** and **Spring MVC**.
* Utilized **Spring Boot**, Hibernate, and JPA for backend development and data persistence.
* Designed and implemented **RESTful APIs** for internal and external communication.
* Managed continuous integration/deployment processes using Jenkins.
* Built and tested REST services with **JUnit,** Mockito, and Postman.
* Used Maven for building and deploying applications and tracked issues with **JIRA**.
* Developed MongoDB architecture to improve performance and scalability.
* Created Typescript reusable components and services to consume REST API's using Component-based architecture provided by Angular 4
* Implemented **Angular 4** component router for navigation and the services to connect the web application to back-end APIs
* Worked on handling all the requests to the systems using play framework **MVC framework**
* Configured Gulp to perform various UI build and test related tasks and used **Node.JS NPM** and Bower to manage the dependencies
* Used the core Java APIs like Collections, **Multi-Threading** and **Exception Handling** while coding with Hibernate Framework in Eclipse IDE
* Developed a single page application using **AngularJS, Node.JS**.
* Development of company's internal CI system, providing a comprehensive API for **CI/CD**

**Environment:** Java, Spring MVC, Angular 7, Hibernate, Spring Security, RESTful APIs, Jenkins, Maven, Oracle, MongoDB, Kafka.

**Java Developer** July2014 – July 2017 (Started as Internship and later promoted into Full-time)

**Byteridge Software Private Limited** – Hyderabad, India

**Responsibilities:**

* Developed and integrated REST APIs using Spring and Hibernate
* Implemented Thread Pool Executor and Scheduled Executor Service for multithreading
* Contributed to production support, including server monitoring and issue escalation.
* Responsible for making the application compatible with the latest Android Version Lollipop 5.0, Android Version Marshmallow 6.0.
* Worked with DB2 and MongoDB for data persistence and management
* Tracking app usage patterns with Google Analytics Streamlining testing with the Android Debug Bridge
* Adjusted Android default behavior such as orientation response to improve activity life cycle flow.
* Wrote SQL Queries, Stored Procedures, functions, packages, tables, views, triggers and data connectivity and data integration of DB2
* Added new features to database using DB2 database - wrote DDL and DML files using SQL- setup procedures and triggers
* Integrated spring with ORM frameworks such as Hibernate and JPA (Java Persistence API)
* Configured WebLogic application server to Data source binding, encryption & other env Properties
* Used JUnit to write unit tests and integration tests and used Mockito to mock/stub classes
* Used CVS for version control to track and maintain the different versions of the application and involved in production support, monitoring server and error logs and Foreseeing the Potential Issues and escalating to the higher levels

**Environment:** Java, Spring, Hibernate, JPA, RESTful Web Services, J2EE, JMS, DB2, MongoDB, Oracle, Maven, Jenkins.