

SUMMARY

10+ years of experience in Building Web-based applications and associated technology components. Distributed Architecture Applications using Java and J2EE. Experience in Requirement gathering, Analysis, Design, Coding, Test-Driven Development, and Expertise in GOF design patterns Singleton, MVC, Front Controller, and Business delegate patterns. Proficient in Amazon Web services (AWS) components like S3, SQS, SNS, DLQ, Dynamo DB, Watch, Lambda, API Gateway, AWS Lambdas, and AWS CLI for seamless deployments.

- Extensive development experience with Spring Boot, Microservices, AWS -S3, SQS, Cloud watch, Java/J2EE, Servlets, JSP, JAXB, REST, SOAP, Hibernate, JPA, AJAX, JSON, XML, HTML & JMS, Spring flyway, Spring Event Listener, Spring Auditing, Spring Scheduler, Mail API, Spring Validation, Spring JDBC, ActiveMQ, Apache Cassandra, Spring Data, Spring Security.
- Worked with multiple DB's like Oracle & MySQL, PostgreSQL.
- Hands-on development experience using the Spring Boot/Microservices.
- Experience in Development interactive frontend application using AJAX, HTML5, CSS3, Java Script, React Js.
- Strong knowledge and experience in building Web Applications using ReactJS for the Client side.
- Expertise using React.js/Redux to build User Interfaces, Strong knowledge of state store, middleware, action creator, reducer, and container.
- Knowledge of Owsap, OpenSSL, X509
- Having experience developing spring batches in Large-scale Applications.
- Having Knowledge and Experience on Cockroach db.
- Developed Micros services to produce data to Kafka topics and consume data from Kafka topics.
- Exposure to Kubernetes and Docker for Container orchestration and RabbitMQ
- Exposure to Microsoft Azure, including Azure services relevant to backend development.

WORK EXPERIENCE

Client: PPL First

Senior Software Engineer

May 2024– to date

Project Description: At PPL First, I developed a document verification system using Spring Boot, Core Java, and Angular 16. Customers uploaded documents via PNR, with MongoDB for storage, Kafka for communication, and Spring Web Client for legacy system integration, all managed within an Agile workflow.

- Designed and developed a responsive UI using Angular 16, allowing customers to enter their PNR for document verification documents.
- Create reusable components, directives, and modules for scalability in Angular 16.
- Built scalable REST APIs with Spring Boot, enabling secure communication between front-end and back-end.
- Hands-on Experience on Email Notification Service using Azure Communication Service.
- Optimized API endpoints to handle over 50,000 requests per hour, reducing latency and improving customer experience.
- Integrated Kafka for asynchronous messaging, managing distributed services, and ensuring consistent status updates.
- Implemented Azure Service Bus for reliable queuing of document validation tasks for real-time notifications.
- Experience with Spring Data JPA for repository abstraction and CRUD operations.
- Experience in optimizing Bootstrap performance by using only required modules
- Leveraged Azure Communication Service for automated emails, achieving a 98% delivery success rate.
- Employed Azure CosmosDB for scalable storage and efficient handling of non-relational and high-throughput.
- Producers notify consumers of an event without sending detailed data.
- Deployed containerized applications using Docker and orchestrated services with Azure EKS, ensuring scalability and portability.
- Monitored server performance with Prometheus, maintaining 99.9% uptime and enabling proactive issue resolution.
- Designed and developed scalable BDD frameworks using Cucumber, integrating with Java-based test automation suites.
- Deployed front-end and back-end components using CI/CD pipelines, reducing deployment lead time by 40%.
- Achieved 90% test coverage by implementing unit and integration tests in Spring Boot for robust API functionality.

- Documented workflows, API specifications, and validation processes in Confluence for team collaboration and onboarding.
- Collaborated with Agile teams using Jira to track progress, manage sprints, and ensure timely delivery.
- Ensured compliance with security standards while processing over 10,000 concurrent users, maintaining stable application performance.
- Write unit tests using Jasmine and Karma for components and services using Angular 16.

Environment – *Java 17, Spring Boot, Spring-Rest, Spring Jdbc, Postgres, Angular 16, Eclipse IDE, JavaScript, Maven, Spring Data JPA, Azure (Blob, Communication Service, Service Bus, Cosmosdb), Event-Driven architecture, Microservices, Jira, Confluence.*

Client: Entrego

March 2020– May 2024

OTSI Inc

Senior Software Engineer

Hyderabad, India

Responsibilities:

- Designed and optimized MongoDB and AWS DynamoDB schemas to manage customer preferences, improving data retrieval speeds by 30%.
- Automated daily notifications with Spring Scheduler and AWS SQS, boosting user engagement by 20% through timely balance alerts and updates.
- Enhanced API security using OAuth 2.0 and JWT tokens for authentication and authorization.
- Integrated asynchronous notification processing with Kafka topics and AWS SNS, ensuring reliable message handling under high-volume conditions.
- Developed Kafka producers and consumers using Java to enable real-time messaging and event-driven architecture.
- Built high-performance multi-threaded Kafka consumers in Java to scale data processing and improve throughput.
- Integrated Apache Kafka with Spring Boot applications using Spring Kafka for seamless message-driven architecture.
- Developed and exposed RESTful APIs with Spring Boot to trigger Kafka producer actions and consume messages.
- Leveraged AWS SES for secure and scalable email notifications, achieving high delivery success rates for customer communications.
- Responsible for Interacting with Clients by building a website using ReactJs, and Redux.
- Developed components, handling state, and ensuring a functional user interface in ReactJs.
- Develop reusable React components for UI elements, ensuring modularity and maintainability.
- Implement state management using tools like React's built-in useState, useReducer.
- Experienced in Google Cloud Vertex AI for building, training, and deploying ML models at scale.
- Built and deployed scalable ML models using Vertex AI Pipelines.
- Integrated Google Vertex AI with Java for ML model prediction.
- Managed model versioning and deployment using Vertex AI Endpoint.
- Designed and developed scalable BDD frameworks using Cucumber, integrating with Java-based test automation suites.
- Designed and implemented microservices architecture using Domain-Driven Design (DDD) principles to ensure domain alignment and scalability.
- Leveraged DDD tactical patterns (Repositories, Factories, and Domain Events) to improve domain logic encapsulation and data integrity.
- Configured BDD test executions in Jenkins pipelines, streamlining deployment cycles.
- Utilized Agile methodologies with Jira for sprint planning and tracking, reducing delivery time by 15%.
- Established CI/CD pipelines with SonarQube for code quality checks and automated deployments, reducing bugs by 40%.
- Managed version control with Git and collaborated on database schema enhancements, improving access speeds by 25%.
- Deployed containerized services using Docker and orchestrated deployments with AWS EKS, ensuring scalability
- Configured Nexus/JFrog for CI/CD artifact management, accelerating, deployment processes and ensuring production reliability.
- Conducted unit testing using JUnit and Mockito, validating error resilience and ensuring robust fault handling.

Environment- *Spring Boot, Microservices, AWS SQS, AWS SNS, Maven, Jenkins, AWS EC2, AWS S3, AWS Lambdas, Spring Event Listener, Spring Auditing, Spring JDBC, Spring flyway, Apache Kafka, Spring batch, react Js, JavaScript, Typescript, Redux, AWS Lambda, API Gateway, Event-Driven architecture, Java 8, Eclipse IDE, Jira, Confluence.*

**Client: Verizon
TechStar Group
Software Engineer
Hyderabad, India.
Responsibilities:**

June 2019 – Jan 2020

- Involved in gathering the requirements, analysis, design & development of the project.
- Created a re-useable component, custom modules, routes, and pipes in Angular.
- Develop APIs for seamless integration with Angular applications.
- Create pixel-perfect designs using Angular and CSS frameworks.
- Manage complex state management using NgRx or RxJS in Angular.
- Integrate RESTful APIs and third-party libraries into Angular applications.
- Proficient in database migrations using Flyway with JPA.
- Work with CSS frameworks like Bootstrap or Material for responsive designs.
- Perform unit testing and debugging using tools like Jasmine and Karma.
- Handling distributed SQL databases designed for cloud-native applications using Cockroach db.
- Hands-on experience in Circuit design patterns, and API Gateway.
- Create spring boot microservices and perform the CRUD (Create, update, delete, Read).
- Worked on the core team to monitor and enhance the application's performance.
- Having Deployed Microservices in a Cloud Platform (AWS).
- Used Amazon Cloud Watch to monitor AWS services logs to monitor applications.
- Used AWS SDK for connection to Amazon S3 buckets as it is used as the object storage service to store and retrieve the media files related to the application.
- Hands-on experience on DLQ with handling messages that could not be processed successfully between Services.

Environment – *Java 8, Spring Boot, Spring-Rest, Spring JDBC, Apache Camel, TestNG, Spring DataJpa, Oracle, Micro Services, Angular 8, Node.js, AWS EC2, RDS, S3, Apache Kafka, Eclipse IDE, Jira, Confluence.*

**Infor Inc
Java Developer
Hyderabad, India.
Responsibilities:**

May 2014 – May 2019

- Involved in gathering the requirements, analysis, design & development of the project.
- Worked in an Agile methodology environment and participated in Scrum sessions designing, developing, implementing, and testing the distributed applications.
- Expertise in JPQL (Java Persistence Query Language) and Criteria API.
- Develop scalable web applications using Python frameworks like Django and Flask.
- Integrate RESTful APIs and third-party services into existing Python applications
- Proficient in JPA with Hibernate for ORM (Object-Relational Mapping).
- Developed and maintained Spring applications for web, data analysis, and automation projects, improving operational efficiency and reducing processing time by 20%.
- Developed Microservice Services using Spring Boot and Data JPA on crud operations.
- Configured Splunk monitoring alerts based on error conditions.
- Develop scalable and efficient server-side applications using Node.js.
- Handle both front-end and back-end development, integrating UI with Node.js services.
- Developed Persistence layer using NoSQL (MongoDB).
- Assisted in the design and development of Python-based applications for automating data processing and client reporting
- Participated in code reviews, ensuring adherence to coding standards and best practices.

Environment – Java 8, Spring boot, Microservices, AWS SQS, SNS, S3, CloudWatch, DQL, RDS, JPA, MongoDB, Postgres, Dynatrace, Event-Driven Architecture, Angular 7, Eclipse IDE, Jira, Confluence.

EDUCATION

B. TECH (ECE) from JNTUK June 2014 Bachelor of Technology in Electronics and Communication Engineering.

SKILLS

Software development Technologies: *Object Oriented Programming, Java, J2EE, JDBC, Hibernate, Spring MVC, Spring Boot, Restful, SOAP Web Services, Microservices, Jenkins, AWS -S3, SQS, Cloud watch, JMS, Spring flyway, Spring Event Listener, Spring Auditing, Spring Scheduler, Mail API, Spring Validation, Spring JDBC, Spring Tx, ActiveMQ, Apache Cassandra.*

UI Web Technologies: *HTML/HTML5, AJAX, JSON, XML, React Js, JavaScript, Angular, TypeScript*

IDE's: *Eclipse, IntelliJ IDEA, SVN*

Version Control: *GIT, SVN*

Web/App Servers: *WebLogic, JBoss, Tomcat*

Data Base/Programming Languages: *Oracle, MySQL, Postgres SQL*

Build Tools: *Gradle, Maven*

Testing Frameworks: *JUnit, Apache JMeter, Mockito*

Additional Tools/Implementation: *Swagger, JIRA.*

Cloud Services: *Amazon S3, SQS, SNS, Cloud watch, Lambda, API Gateway, GCP, AWS CLI, Azure*

Containerization & Orchestration: *Docker, Kubernetes.*

NO SQL Database: *MongoDB, Cosmodb, Amazon Dynamo DB.*

Frameworks: *Spring boot, Drop wizard*