

Surendra Jinka

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Summary

6+ years strong experience in Software Development Methodology such as SDLC, Design, Implementation and Testing of Object Oriented applications, Web based Enterprise Applications, Complex Client/Server applications.

Professional Experience

Senior Java Developer

April 2023–Present

Department of Health Care Service, Sacramento CA

- Led the design and development of robust RESTful APIs using Java, Spring Boot, Spring MVC, and Spring Data JPA, incorporating best practices such as dependency injection and AOP.
- Integrated backend services with multiple data sources, including relational databases (PostgreSQL, MySQL, IBM DB2) and contributed to NoSQL initiatives.
- Developed secure authentication and authorization mechanisms using Spring Security (OAuth2), ensuring compliance with industry standards for access control.
- Engineered message-oriented middleware and data processing pipelines with Apache Kafka; contributed to Spring Batch-based ETL solutions for high-volume data flows.
- Built and maintained responsive, component-based UIs using Angular, HTML, CSS, and JavaScript, ensuring seamless interaction with backend APIs and alignment with UX standards.
- Collaborated with UI/UX designers to deliver user-friendly and performant web applications for enterprise clients.
- Led migration of legacy applications to cloud-native architectures on AWS, including packaging microservices into Docker containers and deploying on Kubernetes clusters.
- Ensured adherence to SAFe principles, including Lean-Agile leadership and continuous delivery pipelines.
- Managed CI/CD pipelines using Jenkins and GitHub Actions; implemented automated unit, integration, and regression testing with JUnit, Mockito, and Jasmine/Karma.
- Developed and maintained Prometheus metrics exporters in Spring Boot services to expose custom application and Kafka processing metrics for real-time health monitoring.
- Integrated Flink with Apache Kafka, HDFS, and relational databases, enabling end-to-end data movement, transformation, and enrichment across hybrid architectures.
- Supported DevOps initiatives, including infrastructure as code, Kubernetes deployment management, and Helm chart configuration.
- Designed and implemented NoSQL schemas in MongoDB, using embedded documents and references to model complex business entities for scalable web applications.
- Mentored junior developers, promoted Agile best practices, and fostered team collaboration across multi-office environments.
- Developed services using Node.js to consume and publish messages to Kafka/RabbitMQ, interoperating with existing Java services.
- Developed high-performance caching mechanisms using Apache Ignite's IgniteCache API with Java to reduce database load and improve response time.
- Developed and integrated asynchronous messaging systems using Kafka, RabbitMQ, and ActiveMQ to decouple services and improve scalability.
- Refactored legacy scheduled jobs into event-driven AWS Lambda functions triggered via SQS and EventBridge.
- Migrated stateful EC2 workloads to ephemeral Fargate tasks using S3 for storage decoupling and Parameter Store for environment configs.
- Designed and deployed reusable Camel routes for system-to-system integration, enabling seamless communication between REST APIs, file systems, JMS queues, databases, and external services.

- Integrated GitHub Copilot into the daily development workflow to accelerate API scaffolding, unit test generation
- Automated repetitive business processes using Python scripts, reducing manual effort by 80% and improving accuracy.

Software Developer

August 2018–July 2021

HCL, Chennai TN

- Designed and implemented scalable microservices and RESTful APIs in Java/Spring Boot, supporting high-throughput ACH payment processing and data integration workflows.
- Developed robust data access and persistence layers using Spring Data JPA and Hibernate; wrote complex SQL and JPQL queries for critical business logic.
- Participated in the development and optimization of batch data processing pipelines using Spring Batch.
- Built dynamic, responsive single-page applications (SPAs) with Angular, collaborating closely with UI designers and product teams.
- Integrated Apache Camel with Spring Boot and Spring Data JPA, building robust microservices with transactional integrity and support for complex routing and data transformation.
- Managed **cross**-functional documentation between developers, QA, DevOps, and business stakeholders in shared Confluence spaces.
- Integrated IBM MQ (WebSphere MQ) into Spring Boot applications using JMS, enabling secure, transactional, and asynchronous communication between decoupled services.
- Designed and implemented GraphQL schemas, resolvers, and type definitions, supporting complex nested queries and mutations for enterprise applications.
- Built responsive user interfaces using Bootstrap and customized themes with SASS (SCSS) by leveraging variables, mixins, and partials to ensure maintainable, scalable, and brand-aligned styling across modern web applications.
- Managed IAM roles, security groups, and network configurations using Terraform to support secure and compliant deployment of RESTful APIs built in Java and Spring Boot.
- Automated build, test, and deployment processes using CI/CD pipelines (Jenkins, GitHub Actions, GitLab CI); maintained code quality with automated testing and code review.
- Contributed to cloud migration projects, including packaging Java applications with Docker and deploying to Kubernetes-based environments.
- Wrote Operations and corresponding handlers to communicate with Oracle database sitting on Linux/Unix server.
- Deployed and configured enterprise applications on IBM WebSphere Application Server; familiar with Azure and AWS services for storage, compute, and event processing.
- Integrated XML and JSON schema validation (XSD, JSON Schema) to ensure strict data integrity before processing or persisting incoming files.
- Integrated Camunda BPM with Spring Boot applications using Camunda's Java and REST APIs for seamless workflow execution.
- Used Selenium, BeautifulSoup, and Requests for web scraping and automation of browser tasks.
- Monitoring and logging tools such as ELK Stack(Elastic search, Log stash, and Kibana)
- Set up Redis clustering and replication for high availability and fault tolerance in a production-grade cloud environment

Android developer Intern

August 2017–July 2018

UNIQ, Chennai India

- Developed Android applications in Java, applying modern architectural patterns (MVVM/MVP) and Material Design for maintainable, user-friendly mobile solutions.

Education

Skills

- Java, Core Java Concepts, Object-Oriented Design, Design Patterns
- Spring Boot, Spring MVC, Spring Data JPA, Spring Security, Spring Batch
- RESTful APIs, Microservices Architecture, SOA
- SQL, Relational Databases (Oracle, DB2, PostgreSQL, MySQL)
- JavaScript, HTML, CSS, Angular (familiarity with React, Node.js)
- Docker, Kubernetes, Helm, Azure, AWS
- CI/CD (Jenkins, GitHub Actions, GitLab CI), Infrastructure as Code
- Unit, Integration & Regression Testing (JUnit, Mockito, Jasmine/Karma)
- Git, JIRA, ServiceNow
- Agile/SCRUM, Team Leadership, Cross-Functional Collaboration

Additional

- Strong analytical, problem-solving, and communication skills.
- Experience collaborating with UI/UX teams and business stakeholders to define product roadmaps and deliver innovative solutions.
- Passion for building secure, efficient, and scalable systems in payments and financial services domains.