

Prabesh Lama

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SUMMARY

Full Stack Software Engineer with about 7 years of experience in analysis, design, and development of scalable, cloud-native applications across Telecommunications, Financial Services, and Retail industries. Proficient in Java, Spring Boot, Angular, AWS, and Kubernetes, with a strong focus on microservices architecture, RESTful services, and CI/CD pipelines. Skilled in Test-Driven Development (TDD), ensuring high-quality, maintainable code and robust system performance. Proven ability to collaborate with cross-functional teams in Agile environments, driving innovative solutions and continuous delivery. Passionate about learning new technologies and best practices to solve complex problems, enhance system efficiency, and deliver business value.

• Inversion of Control(IoC) • Dependency Injection(DI) • Object Oriented Programming(OOP) • Solid Design Principles • Software Development Lifecycle(SDLC) • Microservice Architecture • Event Driven Architecture(EDA)

SKILLS

Languages: Java/J2EE, Python, TypeScript, JavaScript, HTML5, CSS3, Bootstrap, jQuery, Ajax

Frameworks: Spring, Spring Boot, Spring Test, Hibernate, Angular (JS, 10, 14, 17), React, OAuth2, JWT

Messaging Systems: Kafka, RabbitMQ

Unit Testing: JUnit, Mockito, PowerMock, WireMock, Selenium, Jasmine, Karma

Cloud Platforms: AWS (EKS, S3, SNS, SQS, Lambda, RDS, CloudFormation, API Gateway), Azure

DevOps Tools: Jenkins, Docker, Kubernetes, Prometheus, Grafana, ELK Stack

Databases: RDBMs(MySQL, Oracle, PostgreSQL, SQL Server), NoSQL(DynamoDB, MongoDB, Cassandra)

Tools: Jira, Confluence, Git, SVN, GitHub, Bitbucket, SonarQube, Postman, SoapUI, Tomcat, WebLogic, WebSphere

Operating Systems: Windows Linux, macOS

EXPERIENCE

Full Stack Java Developer

Verizon, Irving, TX

March 2022 – Present

- Collaborated with Business and Product teams to gather requirements, implement solutions, and deliver demos to stakeholders for feedback.
- Developed and enhanced an SCM Catalog Portal, integrating multiple service providers using Spring Reactive Programming, MongoDB, and Angular Material with Reactive Forms, resulting in a 30% performance improvement.
- Automated the generation of comprehensive Business Reports for Software (SW) orders using a shell script and PL/SQL, reducing manual effort, improving decision-making with real-time insights, and enhancing operational efficiency.
- Improved the Recurring Manager Application by implementing new features and optimizing existing workflows.
- Configured Kafka for billing event streaming using Kafka producer and consumer.
- Integrated Prometheus and Grafana for monitoring, and optimized system performance.
- Secured RESTful APIs by implementing OAuth2 and JWT, ensuring data integrity, compliance, and providing comprehensive API documentation for seamless integration and future maintenance.
- Migrated legacy apps to EKS, improving scalability and reducing deployment time.
- Implemented Resilience4j circuit breakers and retries for fault tolerance and automated CI/CD with Jenkins.

Technologies used: Java 17, Spring Boot, Spring Security, Reactive Programming(Mono, Flux), MongoDB Reactive, Oracle, Angular 14, RxJS, EKS, Hibernate, Resilience4j(Circuit Breaker, Retry), RESTful APIs, OpenAPI(Swagger), Kafka, Prometheus, Grafana, Jenkins, Kubernetes, Docker, CloudWatch, Sonar, Log4j, ETL, IntelliJ.

Full Stack Java Developer

Fidelity Investments, Westlake, TX

June 2020 – February 2022

- Designed and developed the Wealth Management Portal using Spring Boot, React.js. Optimized database queries with Oracle PL/SQL, and implemented Redis caching which reduced database load by 25% and improved overall system performance.
- Automated AWS infrastructure provisioning with CloudFormation and streamlined CI/CD pipelines with Jenkins and AWS CodePipeline.
- Integrated RabbitMQ for efficient real-time message queuing, ensuring seamless asynchronous communication for critical financial transactions.
- Used the ELK Stack for centralized logging and proactive system monitoring.

- Improved transaction processing scalability by using Spring Batch for handling bulk financial transactions, processing large datasets in chunks and reducing overall processing time.

Technologies used: Java 11, TDD, Spring Boot, Spring Caching, React.js, OAuth2, RESTful APIs, Spring Batch, Hibernate, Oracle, PL/SQL (Stored Procedures, Functions, Packages, Triggers), EXPLAIN Plan, Indexing, JUnit, Mockito, WireMock, WebLogic, Gradle, AWS IAM, AWS Cognito, AWS CloudFormation, AWS CodePipeline, Jenkins, RabbitMQ, GraphQL, ELK Stack, React, Redux, Node.js, Express.js, Next.js, API Integration, Responsive Web Design, Next.js, SLF4J, Visual Studio.

Java Developer

KLX INC, Miami, FL

April 2018 – May 2020

- Developed and enhanced the Order Management and Processing system using Spring Boot, implementing ExecutorService and CompletableFuture for parallel processing of inventory checks and shipment tracking resulting in a 30% improvement in response time.
- Secured APIs using OAuth2 and JWT, and implemented role-based access controls.
- Optimized performance using Kafka for messaging and data streaming, reducing latency.
- Automated deployments with Jenkins and integrated Prometheus for system health monitoring.
- Improved data retrieval performance by implementing pagination for large datasets.
- Enhanced by optimizing database queries and implementing advanced indexing in Oracle PL/SQL, reducing query execution time and improving system responsiveness.
- Ensured and maintained 80% unit test code coverage across all microservices resulting in improved code quality and reduced defects.

Technologies used: Java 8, Spring Boot, Spring MVC, AOP, Spring Cloud, JDBC, Kafka, AWS, EC2, S3, RDS, Jenkins, Spring, JMS, Multithreading, Pagination, Lombok, Spark, JSP, JAXB, EJB, JSF, JSTL, Maven, Prometheus, WebSphere, Servlets, REST, SOAP, JSON, WSDL, XML, Java profiling, Docker, Kubernetes, Logback, Eclipse, SouUI.

EDUCATION

Master of Information Technology

University of the Cumberland • Williamsburg, KY