

Pranav Reddy Pajjuru

Full Stack Java Developer

✉ pranav.javadev@outlook.com | 📞 +91 70136 34385 | 🌐 LinkedIn
🌐 Portfolio | 📍 Hyderabad, India

Professional Summary

Full Stack Java Developer with 4 years of experience designing cloud-native, microservices-based enterprise applications across Healthcare and Insurance domains in the United States and India. Expertise in Spring Boot, Spring Cloud, event-driven systems using Kafka, and AWS distributed architectures deployed on Kubernetes. Skilled in building RESTful and SOAP web services with OAuth2.0 and JWT, Redis caching, and CI/CD pipelines with end-to-end monitoring. Currently based in Hyderabad and open to full-time opportunities across India.

Technical Skills

Programming: Java 8/11/17/21, JavaScript, SQL, PL/SQL

Frameworks: Spring Boot, Spring (MVC, Core, Security, Data JPA, Cloud), Hibernate

Frontend: HTML, CSS, React, Redux, React Router

Databases: MySQL, PostgreSQL, MongoDB, Oracle, Redis, DynamoDB

Cloud & DevOps: AWS (EKS, EC2, S3, RDS, DynamoDB, IAM, CloudWatch), Docker, Kubernetes, Terraform, Jenkins

Messaging: Apache Kafka

Testing: JUnit, Mockito, Postman, JMeter, React Testing Library

Monitoring: Prometheus, Grafana, AWS CloudWatch

Security: OAuth2.0, JWT, RBAC

Version Control: Git, GitHub

Professional Experience

McKesson

Jan 2024 – Present

Full Stack Java Developer

Pennsylvania, United States

- Built React, Redux, and React Router-based pharmacist dashboards with 2D barcode validation, cutting dispensing errors by 18% across 10,000+ daily prescriptions.
- Redesigned Spring Data JPA and Hibernate data access layers on MySQL, reducing query execution time by 25% for 500+ concurrent pharmacy users.
- Configured Spring Cloud Config Server and service discovery to support resilient microservice architecture, enabling 99.9% uptime and eliminating 3 single points of failure.
- Drove event-driven prescription workflows using Apache Kafka and RESTful APIs, synchronizing updates across pharmacy, doctor, and patient systems with zero message loss.
- Achieved zero message loss across Kafka-based prescription pipelines, improving real-time data reliability for 10,000+ daily transactions.
- Optimized Redis caching strategy for prescription data, cutting database load by 30% and saving an estimated \$15K annually in infrastructure costs.
- Championed CI/CD adoption using Jenkins, Docker, and Kubernetes (EKS) on AWS, reducing deployment time by 40% and production incidents by 28%.
- Secured 20+ pharmacy APIs by enforcing OAuth2.0, Spring Security, and RBAC policies, achieving full HIPAA compliance with zero post-deployment incidents.
- Integrated Amazon DynamoDB with Spring Boot for medication dispensing event storage, supporting 5+ million audit log records.
- Raised JUnit and Mockito test coverage to 85%+, reducing post-release defects by 30%.
- Collaborated with QA and product teams using Agile methodology, accelerating feature delivery by 20% across 6 release cycles.

Environment: Java 21, Spring Boot, Spring Data JPA, Hibernate, Spring Cloud, Kafka, Redis,

DynamoDB, OAuth2.0, Spring Security, React, Redux, React Router, MySQL, AWS (EKS, EC2, S3, RDS, DynamoDB, CloudWatch), Docker, Kubernetes, Jenkins, Prometheus, Grafana, JUnit, Mockito, Postman

Progressive Insurance
Full Stack Java Developer

Jun 2022 – Dec 2023
Ohio, United States

- Overhauled 100+ Spring Boot REST and SOAP web services for AcquisitionCheckout, supporting \$2M+ in annual digital policy revenue across Agent, ECC, and customer channels.
- Resolved critical payment bottlenecks in AcquisitionCheckout-API using Spring Boot microservices, improving transaction success rates by 15% across Auto, Fire, Life, and Health products.
- Increased digital policy revenue by 8% applying Facade and Strategy patterns to Spring Boot checkout orchestration.
- Cut integration failures by 20% by refactoring AcquisitionCheckout-UI checkout flows in React and MongoDB, reducing user-reported policy errors.
- Eliminated unauthorized access risks by enforcing JWT and OAuth2.0 through Spring Security across Agent and customer-facing AcquisitionCheckout workflows.
- Reduced manual billing audit effort by 35% using Python scripts for log analysis and billing validation against PostgreSQL.
- Provisioned AWS EKS infrastructure using Terraform and Jenkins across EC2, S3, and RDS, cutting environment setup time by 50%.
- Defined Swagger and OpenAPI documentation standards team-wide, cutting API integration time by 30% across frontend and backend squads.
- Identified 15+ pre-release regression issues expanding React Testing Library and Mockito coverage across 3 insurance checkout workflows.
- Took initiative in peer code reviews and API design discussions, improving team code quality scores by 20% across the engineering org.

Environment: Java 17, Spring Boot, Spring MVC, Spring Data JPA, Spring Cloud, Spring Security, REST APIs, SOAP Web Services, React, PostgreSQL, MongoDB, AWS (EKS, EC2, S3, RDS, IAM, CloudWatch), Terraform, Jenkins, Python, Swagger, JUnit, Mockito, Postman, React Testing Library

Pnu Engineering
Java Developer Intern

Sep 2020 – Jun 2021
Hyderabad, India

- Developed a monolithic Java 8 web application using Servlets, JSP, and JDBC for internal workforce and project management.
- Delivered attendance and expense tracking modules backed by Oracle DB, reducing manual reporting effort by 35%.
- Authored optimized SQL and PL/SQL queries for workforce and billing reports.
- Practiced Test-Driven Development (TDD) using JUnit to ensure functional correctness of core modules.

Environment: Java 8, Servlets, JSP, JDBC, Oracle, SQL, PL/SQL, HTML, CSS, JUnit

Education

Master of Science in Computer Information Science
Southern Arkansas University

Aug 2021 – May 2023
Arkansas, United States

Bachelor of Technology in Computer Science and Engineering
JNTUH

Aug 2016 – Aug 2020
Hyderabad, India