

JYOTHIRLATHA PERLA | Java Full Stack Developer

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PROFESSIONAL SUMMARY

Software Developer with **4+ years** of experience in full-stack development across the **insurance, banking and government domains**. Proficient in Java, Spring Boot, RESTful APIs, and microservices architecture. Skilled in cloud platforms, CI/CD pipelines, containerization, relational databases and NoSQL databases. Experienced in **Agile environments**, building scalable web applications, **troubleshooting production issues**, and writing clean, maintainable code. Adept at **collaborating cross-functionally** using Jira, Confluence, and Git under Agile workflows. Strong team collaborator with a **problem-solving** mindset and proven ability to deliver secure, accessible solutions aligned with business goals. Committed to **delivering production ready, cost-effective solutions** that align with **regulatory standards and industry's best practices**.

TECHNICAL SKILLS

Programming Languages: Core Java (8+), JavaScript, TypeScript, HTML5, CSS3, SQL, Bootstrap, PL/SQL, NodeJS
Version Control: Git, GitHub, GitHub Copilot, Bitbucket, GitLab
Frontend Frameworks: React, Angular, Vue, Tailwind CSS, jQuery, AJAX
Backend and Middleware: Spring, Spring Boot, Spring MVC, Spring Security, Hibernate, JPA, Microservices, Node.js, Servlets, JSP, J2EE, JDBC, REST, SOAP, GraphQL, XML, JSON, Junit, Mockito, Maven, Gradle, OAuth2
Databases: SQL (MySQL, SQL Server, PostgreSQL, Oracle), NoSQL (MongoDB, Cassandra)
IDEs: IntelliJ IDEA, Eclipse, Visual Studio Code, NetBeans
Operating Systems: Windows, Linux/Unix (RedHat, Ubuntu), system monitoring and tuning
Cloud Platforms: AWS (EC2, S3, RDS, IAM, SQS, Redshift, Lambda), Azure (AKS), Google Cloud (GCP)
DevOps and Other Tools: Jenkins, Docker, Kubernetes, Swagger, Postman, Kafka, RabbitMQ, Redis, New Relic, Terraform, Cucumber, Drools, SonarQube, Jasmine, Karma, ServiceNow
Methodologies: Agile (Scrum, Kanban), Waterfall, Software Development Lifecycle (SDLC), TDD, Continuous Integration/Continuous Deployment (CI/CD), Hybrid cloud architecture
Leadership and Collaboration: Stakeholder Communication, Team collaboration and Mentorship, Sprint Planning, Budget and Resource Estimation

EXPERIENCE

Software Engineer Community Dreams Foundation USA	July 2025 – Present
- Architected and developed a full-stack apprenticeship management and disaster relief platform supporting hurricane-affected workforce training, using Java, Spring Boot, React, Supabase (PostgreSQL, Auth, Storage, Edge Functions), and REST APIs. - Integrated Supabase backend services for secure authentication, data storage, and serverless processing, and connected the AI-generated frontend (Lovable AI) through the Supabase JavaScript SDK with environment-based API access. - Engineered role-based access control (RBAC) for apprentices, supervisors, and administrators with workflows including onboarding, training progress tracking, supervisor approvals, and admin-level KPI dashboards. - Delivered training and learning management features (LMS): video modules, quizzes, progress tracking, auto-issued certifications, and retraining recommendations, boosting training visibility by 30%. Built real-time KPI dashboards and reporting tools for administrators using Supabase SQL + serverless functions, with CSV/PDF exports covering recruitment metrics, training outcomes, installation performance, and safety compliance - Developed field activity APIs enabling apprentices to log GPS-based TARP installation data, upload before/after images, and submit safety checklists, reducing reporting lag by 40% and improving compliance monitoring. - Enhanced recruitment and onboarding by integrating ATS-style workflows, status tracking, and automated notifications, aligning with recruitment strategy and digital outreach efforts - Collaborated in an Agile environment using GitHub (version control, CI/CD), JIRA (sprint planning), and Confluence (documentation), ensuring delivery of secure, scalable, and maintainable solutions.	
Software Developer Intern Synchrony Financial USA	Jan 2025 – May 2025
- Developed cross-platform mobile features using React Native integrated with GraphQL APIs to support customer account management on iOS and Android. - Built and maintained GraphQL APIs with Node.js to streamline client-server data interactions and minimize over-fetching. - Designed and deployed cloud-native backend services using Node.js, Spring Boot, and PostgreSQL for secure financial operations. Integrated React Native interfaces with real-time fraud alerts and account notifications via WebSocket and Kafka. - Implemented unit and integration tests for mobile-first features using Jest and React Native Testing Library ensuring 90%+ test coverage. - Built containerized full-stack apps using Docker and deployed on Azure Kubernetes Service (AKS) with CI/CD pipelines. - Applied security best practices to mobile apps with OAuth2 and JWT integration, ensuring compliance with GDPR and PCI-DSS standards. - Implemented feature flags and A/B testing strategies in React Native for phased rollouts and performance monitoring.	
Junior Software Engineer Cognizant Technology Solutions India	Aug 2022 – July 2023
- Engineered secure session management system with real-time expiry monitoring and automated logout functionality using Spring Boot and Core Java, reducing unauthorized session violations by 30% and enhancing application security. - Architected and deployed high-throughput RESTful Web Services using Spring Boot, Microservices architecture, and Docker containerization, reliably processing 10,000+ daily transactions for enterprise banking operations. - Optimized customer experience by implementing dynamic data retrieval logic with PL/SQL stored procedures and efficient database queries, decreasing support escalations by 25% and improving response times. - Automated personalized financial report generation using XSL-FO templates integrated with Java backend services, streamlining document workflows across multiple banking products and account types. - Strengthened application security by implementing OAuth2 authentication protocols, role-based access control, and comprehensive API documentation using Swagger, ensuring compliance with financial industry standards. - Collaborated with cross-functional teams in an Agile environment using Git for version control, participating in code reviews and maintaining technical documentation to ensure code quality and best practices.	

- Programmer Analyst | Cognizant Technology Solutions | India

Dec 2020 – July 2022
- Spearheaded the migration of **Spring Boot-based Microservices** to Azure Kubernetes using **Docker containerization**, reducing cloud operational costs by 25% and improving deployment scalability for enterprise applications.
 - Architected and executed microservices **migration from PCF to Azure Kubernetes Service (AKS)** using Core Java and RESTful APIs, enhancing system performance and reducing infrastructure overhead by 25%.
 - Integrated **Apache Kafka for asynchronous event processing** with Spring Boot messaging, achieving 20% reduction in system latency and enabling real-time data streaming across services.
 - Optimized deployment cycles by 40% through implementation of **CI/CD pipelines** using Jenkins, Terraform, and **Git version control** with automated testing and rollback capabilities.
 - Maintained 95% uptime for production services through **proactive monitoring with New Relic**, comprehensive testing, and **PL/SQL** database optimization across development, staging, and production environments.
 - Collaborated cross-functionally with QA, DevOps, and Product teams in **Agile** sprints using JIRA for sprint planning, **code reviews**, and delivering high-quality features. Maintained technical documentation in Confluence.

- Junior Software Engineer Intern | Bright Mind Technologies | India

Jan 2020 – Sept 2020
- Developed and tested **8+ RESTful Web Services** endpoints using **Spring Boot and Core Java** to support internal CRM and ticketing applications, ensuring seamless system integration and data flow.
 - Built UI components using HTML, CSS, and JavaScript integrated with **jQuery/AJAX** and connected to Java backend APIs, reducing front-end rendering issues by 35% and improving user experience.
 - Collaborated with QA team to create and execute over **25 Junit test cases using JUnit and Postman** for RESTful API validation, increasing test coverage and ensuring code quality aligned with **best practices**.
 - Wrote optimized **PL/SQL and SQL queries** for MySQL to support real-time dashboard reporting, decreasing data retrieval latency and enhancing database performance for business intelligence.
 - Assisted in migrating legacy **JSP pages to Angular** components **integrated with Spring Boot Microservices**, improving code maintainability and reducing code duplication by 20%.
 - Participated in bi-weekly **code reviews** in an **Agile** environment and contributed to refactoring efforts that reduced technical debt across 3 core modules, improving overall system architecture.
 - Automated daily build verification using **GitHub Actions and Git** version control, resulting in 50% reduction in manual deployment errors and streamlined **CI/CD** processes.

ACADEMIC PROJECTS

- Retail Banking Web App
- Built **secure transaction processing system** using modern Java frameworks and authentication protocols.
 - Implemented comprehensive account management with role-based access control.
 - Integrated **relational database** with optimized queries for financial data processing.

- Cafe Cloud
- Designed **scalable cloud solution** with high-availability architecture across **multiple regions**.
 - Implemented containerized deployment strategy with automated scaling capabilities.
 - Developed separate environments for development and production with proper CI/CD integration.

- Fitness Management System
- Created comprehensive platform with user management and membership tracking capabilities.
 - Implemented secure authentication system with administrative controls.
 - Integrated **NoSQL database (MongoDB)** for flexible data management and reporting features.

EDUCATION

- Masters in computer science | University of Central Missouri | MO, USA

May 2025
- Bachelors in Computer Science and Engineering | Jawaharlal Nehru Technological University | India

Oct 2020

CERTIFICATIONS

- **AWS Certified Developer – Associate**
- **Microsoft Azure Fundamentals (AZ-900)**
- **Generative AI Applications with Google Cloud**
- **Certificate of Training from APSSDC**