

# RAVALI REDDY PATLLOLA

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## PROFESSIONAL SUMMARY

Java Developer with 4+ years of experience in designing and deploying scalable web applications, RESTful APIs, and cloud-native microservices. Proficient in Java 17/11/8, Spring Boot, Hibernate, JPA, Angular, React.js, Node.js, AWS, Docker, Kubernetes, and CI/CD pipelines. Experienced in database design (MySQL, PostgreSQL, Oracle, MongoDB), event-driven architectures (Kafka, RabbitMQ), and TDD/BDD testing. Skilled in optimizing system performance, delivering secure, high-performing applications, and achieving Agile sprint goals across finance, ERP, and telecom domains.

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## TECHNICAL SKILLS

**Programming Languages:** Java, Python, JavaScript (ES6+), TypeScript, SQL.

**Backend Frameworks:** Spring Boot, Spring MVC, Spring Security, Hibernate, JPA, Microservices, RESTful APIs, GraphQL.

**Frontend Technologies:** React.js, Angular (v9+), Node.js, HTML5, CSS3, Bootstrap, TailwindCSS.

**Cloud & DevOps:** AWS (EC2, S3, Lambda, RDS, DynamoDB, CloudWatch, API Gateway, SNS/SQS, IAM), Docker, Kubernetes, Jenkins, GitHub Actions, Terraform, CI/CD Pipelines.

**Databases:** Oracle, MySQL, PostgreSQL, MongoDB, Redis.

**Messaging & Streaming:** Apache Kafka, RabbitMQ, ActiveMQ.

**Build & Version Control:** Maven, Gradle, Git, GitHub, GitLab, Bitbucket.

**Testing & Quality Engineering:** JUnit, Mockito, Selenium, Cypress, Postman, TestNG, TDD/BDD.

**Servers & Middleware:** Apache Tomcat, JBoss, Nginx.

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## PROFESSIONAL EXPERIENCE

### Software Engineer

Feb 2025 - Present

#### Verizon | USA

- Engineered Spring Boot microservices and REST APIs to integrate Oracle Fusion with external finance systems, reducing reconciliation time by 35% and streamlining financial workflows.
- Designed AWS-native services (Lambda, RDS, API Gateway, SQS) to handle high-volume billing data, scaling system throughput by 40% during peak transaction periods.
- Created React.js dashboards and Angular 9 modules that gave finance teams real-time visibility into AP/AR trends, cutting manual reporting delays by 25%.
- Established Kafka- and RabbitMQ-based event-driven pipelines, lowering inter-application data latency by 40% and ensuring consistent synchronization across distributed systems.
- Improved API performance with Redis caching and SQL query optimization, achieving a 30% faster response time while maintaining data accuracy for financial transactions.
- Developed automated test frameworks with JUnit, Mockito, and Postman, expanding test coverage to 85% and enabling faster defect detection in Agile sprints.
- Delivered containerized deployments by orchestrating microservices on Docker and Kubernetes, increasing system uptime to 99.9% and reducing release cycles from hours to under 20 minutes.
- Collaborated with cross-functional teams in Scrum ceremonies, aligning technical solutions with business priorities and ensuring on-time delivery of all sprint goals.

### Backend Developer

Oct 2021 - Jan 2023

#### Wipro Limited | Chennai, India

- Developed Spring Boot microservices that integrated Oracle Fusion Financials with external applications, reducing manual reconciliation time by 30% and improving overall ERP data accuracy.
- Automated SQL-based financial reports and reconciliation procedures, accelerating month-end close processes by 25% while ensuring compliance with audit standards.
- Built dynamic dashboards using React.js and AngularJS to display AP, AR, and GL workflows, enhancing real-time visibility and cutting reporting delays by 20%.
- Configured AWS CloudWatch monitoring and log analytics, proactively identifying transaction anomalies and decreasing financial errors across ERP modules by 35%.
- Designed automated test suites using JUnit, Selenium, and Jenkins, increasing regression coverage to 85% and shortening QA cycles while improving release reliability.
- Implemented Redis caching for financial APIs, reducing system response times for high-traffic ERP endpoints and improving user experience across web applications.
- Containerized backend microservices with Docker, enabling consistent deployment environments and lowering configuration-related defects by 40%.

- Partnered with Agile teams to refine ERP workflows and conduct UAT sessions, ensuring finance compliance and achieving 100% successful sprint deliveries.

## Java Developer

Jul 2019 - Oct 2021

### Silicon Matrix | Hyderabad, India

- Developed Java EE backend services for GL, AP, AR, and Asset Management modules, streamlining ERP workflows and reducing reconciliation errors by 20%.
- Implemented Spring MVC and Hibernate ORM to handle complex business logic, improving data consistency and reducing transaction processing time by 25%.
- Built RESTful APIs for ERP modules, enabling seamless integration with third-party systems and improving real-time data exchange by 30%.
- Designed interactive dashboards with AngularJS, React.js, and Bootstrap, enhancing user experience and increasing adoption of ERP financial tools by 15%.
- Led data migration and ledger validation using SQL and PL/SQL, ensuring 100% accuracy of financial balances and preventing discrepancies during ERP upgrades.
- Automated regression and integration testing with JUnit and Selenium, boosting test coverage to 85% and reducing post-production defects by 18%.
- Participated in Agile sprint planning, code reviews, and design discussions, ensuring development aligned with business goals and compliance standards.
- Optimized backend performance and database queries in collaboration with senior developers, improving system throughput by 20% while maintaining secure financial operations.

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## PROJECT

### Degree Works Prototype

- Developed backend APIs using Java Spring Boot and MySQL, enabling real-time tracking of student academic progress and degree requirements.
- Built an interactive frontend with React.js and TailwindCSS, ensuring responsive design and accessibility across devices for students and advisors.
- Implemented role-based access control (RBAC) and incorporated UX feedback, improving user satisfaction and secure data handling by 20%.

### Public Transit Database

- Created a centralized SQL database to manage transit operations including employee, bus, route, and revenue data efficiently.
- Designed optimized SQL queries and stored procedures for scheduling, reporting, and maintenance, improving system response time.
- Developed a web-based admin interface using Java, HTML5, and CSS3, allowing authorized staff to manage transit operations seamlessly.

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## EDUCATION

### Master of Science in Information Systems Management

Jan 2023 - Dec 2024

Marist College | Poughkeepsie, NY

### Bachelor of Engineering in ECE

Aug 2017 - Jun 2021

Methodist College of Engineering & Technology | Hyderabad, India

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## CERTIFICATIONS

- Java FullStack Developer Specialization - **Coursera**
- AWS Certified Developer - Associate Specialization - **Coursera**
- IBM Java Developer Professional Certificate - **Coursera**
- Master Java SpringBoot & JPA with Projects - **Coursera**
- Frontend for Java Full Stack Development - **Coursera**