

# BHARGAV REDDY A

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## SUMMARY

- Full Stack Developer with 4+ years of experience in Java, Spring Boot, Angular, React, and Microservices, delivering secure, scalable, and high-performance applications for global payments, retail, and e-commerce platforms.
- Proficient in backend engineering using Java 11+, Spring Boot, REST/gRPC APIs, Spring Security, OAuth 2.0, JWT, Kafka, Elasticsearch, Redis, and SQL, with a proven track record of improving API performance, enhancing interoperability, and optimizing data processing.
- Skilled in building responsive and modular frontends using Angular, React, TypeScript, HTML/CSS, and NgRx, enabling intuitive user experiences, predictable state management, and seamless transaction workflows.
- Experienced in cloud-native development using AWS services (EKS, EC2, RDS, S3, Lambda, API Gateway) and containerization/orchestration tools Docker & Kubernetes, ensuring multi-region resilience, scalability, and secure deployments.
- Strong in DevOps and observability practices with GitHub Actions, Jenkins, CI/CD automation, Prometheus, Grafana, and OpenTelemetry, improving deployment speed, monitoring coverage, and reducing MTTR across distributed systems.

## TECHNICAL SKILLS & CERTIFICATIONS:

<b>Programming Languages:</b>	Java, JavaScript (ES6+), TypeScript, Python, C#, SQL
<b>Frontend Technologies:</b>	React.js, Next.js, Redux Toolkit, Tailwind CSS, HTML5, CSS3, Responsive Design
<b>Backend Technologies:</b>	Spring Boot, Spring Security, Spring Cloud, Hibernate JPA, RESTful APIs, SOAP APIs
<b>Micro services &amp; APIs:</b>	Spring Cloud Config Server, Eureka, API Gateway, GraphQL, REST, SOAP
<b>Security &amp; Authentication:</b>	OAuth 2.0, JWT, OIDC, RBAC, Tokenization, Spring Security
<b>Database Management:</b>	MySQL, PostgreSQL, MongoDB, Oracle, Redis
<b>Cloud Platforms:</b>	AWS (EC2, S3, Lambda), Azure
<b>DevOps &amp; CI/CD Tools:</b>	Docker, Kubernetes, Jenkins, GitHub Actions, Maven, Gradle
<b>Version Control &amp; Collaboration:</b>	Git, GitHub, GitLab, Bitbucket, Jira, Confluence
<b>Message Queuing Systems:</b>	Apache Kafka
<b>AI/ML &amp; LLMs:</b>	XGBoost, Random Forest, Natural Language Processing (NLP), Large Language Models (LLMs)
<b>Other Tools &amp; Concepts:</b>	Agile/Scrum, MVC Architecture, Performance Optimization, JUnit, Mockito, Selenium
<b>Certifications:</b>	<b>Certified Java SE 11 Developer - Oracle   Certified AWS (Associate Developer)   Certified Azure 500</b>

## WORK EXPERIENCE

- PayPal, TX | Java Full Stack Developer** May 2024 – Present
- Contributed to building core Java + Spring Boot microservices for PayPal World, enabling interoperability between major global digital wallets (UPI, Tenpay, Mercado Pago) through scalable, cloud-native services.
  - Implemented and optimized REST/gRPC APIs in Spring Boot for cross-border transaction flows, improving API latency by 22% through response tuning, efficient data serialization, and strategic caching.
  - Applied multi-region resilience patterns using AWS EKS, API Gateway, and Lambda, supporting <200 ms response times for high-volume wallet-to-wallet transactions.
  - Engineered secure integration modules using Spring Security, OAuth 2.0, JWT, mTLS, and tokenization standards aligned with PayPal's global compliance framework.
  - Built event-driven transaction pipelines with Kafka and Spring Boot consumers, enabling high-throughput, reliable message streaming between PayPal and external wallet providers.
  - Created flexible onboarding components using Protobuf/JSON schemas and modular Spring-based adapters, simplifying integrations with diverse international wallet ecosystems.
  - Automated CI/CD workflows using GitHub Actions, Docker, and Kubernetes, cutting deployment time by 40% and enabling stable blue-green deployments across environments.
  - Enhanced observability by integrating Prometheus, Grafana, and OpenTelemetry with Spring Boot instrumentation, reducing MTTR by 35% through better tracing and monitoring coverage.

- Capegimini, India | Software Developer** Aug 2020– June 2023
- Built high-performance backend microservices with Java 11 and Spring Boot, supporting large-scale retail and e-commerce operations.
  - Delivered RESTful APIs for product catalog, order processing, authentication, and payment workflows.
  - Integrated Razorpay to securely process 10,000+ daily transactions across multiple retail categories.
  - Implemented a personalized recommendation microservice using collaborative filtering, enhancing product discovery and increasing CTR by 15%.
  - Strengthened application security with Spring Security and JWT, ensuring strict access control for sensitive customer and transaction data.
  - Developed a responsive frontend using Angular 12, enabling smooth browsing, cart management, and checkout experiences.
  - Utilized NgRx for predictable state handling across complex cart, order, and product filter workflows.
  - Leveraged Elasticsearch to enable advanced search and filtering, cutting average search latency by 40%.
  - Optimized SQL queries and introduced Redis caching to improve catalog load times and handle peak-traffic load efficiently.
  - Automated CI/CD pipelines via Jenkins, accelerating release cycles and minimizing deployment issues.
  - Deployed application components on AWS, to ensure reliability, scalable performance during high-demand periods, and secure data storage.
  - Designed a scalable Order Management System (OMS) capable of processing 5,000+ orders per hour, improving fulfillment speed and reducing stockouts.

## EDUCATION