Harsha Kuppala
Java Full Stack Developer | Dallas,TX | harshavenkat4@gmail.com

SUMMARY
Full stack engineer with 2+ years of experience designing and delivering scalable Java Spring Boot microservices, secure APIs, and distributed cloud systems. Proficient in GCP, Redis caching, and frontend integration using React. Strong focus on performance optimization, clean architecture, and production reliability..

SKILLS
Languages: Java, Python, SQL, C, JavaScript/TypeScript, C++,
Frameworks: Spring Boot, Spring Security, Hibernate, ReactJS, Node.js
Databases: PostgreSQL, MySQL, Oracle, MongoDB, Firebase
Cloud: AWS (Lambda, EC2, S3, CloudWatch), GCP (Pub/Sub, Firestore)
Tools: Docker, Kubernetes, Jenkins, Maven, Gradle, Git, CI/CD, Jira

EXPERIENCE
Software Developer | Platform 3 Solutions   **Jul 2025 - Present**
- Developed **Spring Boot** microservices orchestrating custom LLM inference flows with prompt routing, retries, and **role-based access control**.
- Integrated with **Archon Data Store** for secure, scalable data retrieval and storage, enabling faster and more reliable knowledge-base responses.
- Implemented asynchronous pipelines with **Amazon Redis**, structured logging, and monitoring—reducing error rates by **40%** and improving throughput under high load.
- Integrated backend with a **React** admin console for real-time dashboarding and configuration management, enhancing internal tooling and operational visibility.
- Deployed and monitored services on **GCP**, leveraging Pub/Sub and Cloud Monitoring for reliable message-driven processing.

Software Engineer Intern | Outlier AI   **May 2024 - Aug 2024**
- Optimized Java code generation pipelines by adding structural validation and SLA checks, reducing runtime errors by **15%**.
- Improved CI/CD workflows and unit testing coverage, ensuring faster, more stable releases.
- Enhanced concurrent request handling and integrated observability tools.

Project Engineer| Wipro   **Mar 2022 - Sep 2023**
- Designed and maintained **Java Spring Boot microservices** supporting high-volume transactions (10K+ concurrent sessions), optimizing SQL queries, connection pooling, and caching for a **30% throughput boost**
- Integrated **Redis caching** and **circuit breaker patterns** to enhance system resiliency, reducing Sev1 incidents by **20%**.
- Partnered with cross-functional teams to implement **asynchronous processing** and observability dashboards for better incident visibility and faster RCA.
- Automated CI/CD pipelines with smoke tests, rollback mechanisms, and monitoring hooks to reduce deployment errors and improve release velocity.

Project Engineer Intern | Wipro   **Jan 2022 - Mar 2022**
- Developed modular **Spring Boot** services for e-commerce transactions (orders, inventory, payments) with versioned REST APIs.
- Applied Hibernate optimizations and **caching** for **25% lower response latency**.
- Participated in sprint planning, peer reviews, and regression triage to maintain SLAs.

PROJECTS
What2wear App – Capstone Project   **Sep 2024 - Dec 2024**
- Architected a Java backend with Firebase Auth & Firestore to support AI-based outfit recommendations.
- Integrated weather data ingestion and ranking logic; deployed on AWS with CI/CD and **client-side caching** to improve response time by 20%.
- Designed responsive UI with React to enhance user experience.

CERTIFICATIONS & LICENCES
- AWS Certified Developer - Associate   • Oracle Certified Foundations Associate, Java

EDUCATION
Master of Science in Software Engineering   **Sep 2023 - May 2025**
Stevens Institute Of Technology, Hoboken, NJ