Harsh Vora

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PROFESSIONAL SUMMARY

Collaborative Software Engineer with 4+ years of experience building scalable, reactive and event-driven cloud applications in healthcare domain. Recognized for delivering impactful, production-ready solutions and leading cross-functional collaboration using Java 17, Spring Boot, and microservices. Passionate about clean code, Agile practices, and continuous improvement.

SKILLS

Languages & Frameworks: Java, Spring Boot, Python, Web Flux/SSE, HTML, CSS, TypeScript, JavaScript, React, Node.js.
Workflow & Messaging: Netflix Conductor, RabbitMQ, REST APIs, Microservices Architecture.
DevOps & Tools: Docker, Kubernetes, Maven, Jenkins, AWS, Azure, Git, Postman, Swagger, IntelliJ, Visual Studio.
Databases & Testing: PostgreSQL, MongoDB, Redis, MySQL, JUnit, SonarQube, Playwright, Jest, Serenity, Cucumber.
Practices: Agile/Scrum, CI/CD, Event-Driven Architecture, Behavior Driven Development, Clean Code Principles.

EXPERIENCE

GE Healthcare **June 2024 - Present**
Software Engineer **Chicago, IL**

- Designed reactive, event-driven backend systems using Java 17, Spring Boot, Project Reactor, RabbitMQ, and PostgreSQL boosting data-pipeline scalability by 40%.
- Built a real-time SSE framework delivering > 2x throughput for multi-client event streaming with reduced latency.
- Reduced data-fetch latency by ~65% (28s → under 10s) using reactive parallelization and dynamic pagination.
- Developed intuitive, responsive UI aligned with company design system standards, improving usability and visual consistency.
- Standardized REST APIs and CI/CD pipelines with cross-team architects, cutting deployment issues by 30%.
- Led feature grooming and planning sessions, breaking high-level product goals into executable backend tasks for team members.
- Improved performance, reliability, scalability and security for our backend systems.

GE Healthcare **October 2021 - June 2024**
Software Engineer Specialist **Chicago, IL**

- Applied SDLC, Agile/XP, and Lean methodologies to build front-end and back-end components with technologies such as JavaScript, TypeScript, Spring, and REST APIs.
- Engineered distributed microservices for imaging workflows, increasing system throughput by 3–5×.
- Strengthened test coverage with Junit, WebTestClient, Playwright, Serenity, reducing release defects by 25%.
- Containerized and deployed services using Docker and Kubernetes, boosting deployment flexibility and reducing environment issues by 30%.
- Championed best practices in secure coding, version control (Git), and collaboration, fostering a high-quality engineering culture.

SQUADDD **July 2021 - October 2021**
Software Developer Intern – MERN STACK **Chicago, IL**

- Developed RESTful APIs and middleware using Express.js, Passport.js, JWT & MongoDB Atlas cutting integration effort by 20%.
- Built a secure authentication and session system for 1000+ active users with role-based access control.
- Improved development efficiency by 20% through modular design and streamlined workflows.
- Collaborated with the front-end teams to design cohesive data models and enhance user experience.

EDUCATION

Illinois Institute of Technology **August 2019 - May 2021**
Master of Computer Science **Chicago, IL**
Mumbai University **August 2015 - May 2019**
Bachelor of Engineering in Computer Engineering **Mumbai, India**

ACADEMIC PROJECTS

Search Engine Based on Semantic Web | (PUBLICATION) **January 2019 - March 2019**
Java Software Engineer **Mumbai, India**

- Designed a movie search engine that analyzes user query-semantics to return precise results.
- Built an interactive web interface using JSP, HTML, CSS and JavaScript for seamless user experience.
- Developed an NLP algorithm leveraging Microsoft LUIS API for intent recognition and entity extraction.
- Implemented SPARQL queries on DBpedia to fetch relevant movie information dynamically.

CERTIFICATIONS

Oracle Certified Professional Java Programmer
Certified Android Programmer By KITE