Manikumar Gajjela

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EXPERIENCE

Full Stack Developer, Tetra Computing   Remote, US | December 2023 – Present

- **Architected and maintained** high-performance **backend services** with **Java, Spring Boot, and microservices**, ensuring **99.9% system uptime** while scaling to **10,000+ daily users**.
- **Accelerated database performance** by fine-tuning **PostgreSQL and MongoDB**, slashing **Data retrieval speed by 50%** and optimizing responsiveness for **mission-critical operations**.
- **Strengthened API security**, applying **OWASP standards** to reduce **vulnerabilities by 40%**, mitigating SQL injection and authentication risks
- **Analyzed deployment workflows** by integrating **Docker and Kubernetes**, enhancing **service orchestration and fault tolerance, and reducing deployment time by 35%**.
- **Streamlined DevOps** processes by automating **CI/CD** pipelines with **Jenkins/GitHub Actions**, shortening deployment timelines by 50%, accelerating **testing and integration** cycles by 40%, and increasing release frequency by 30%.
- **Enhanced cloud automation** with **AWS Lambda and S3**, reducing **manual intervention by 60%** and increasing **operational efficiency in data processing**.

Associate Software Engineer, Whistle Drive   Hyderabad, INDIA | September 2020 – December 2022

- **Designed and introduced** transportation solutions using **Java, Spring Boot, Angular, and PostgreSQL**, enhancing **30+ routes** and reducing travel time by **25% for 5,000+ users**.
- **Implemented Redis caching**, improving system throughput by **40%** and efficiently handling **10,000+ concurrent requests**.
- **Performed 100+ code reviews**, enforcing security best practices, improving code quality by **30%**, and ensuring compliance with industry standards.
- **Automated data archiving and retrieval** using **AWS S3, Lambda**, and serverless architecture, increasing data security and reducing manual workload by **50%**.
- **Implemented Agile methodologies** in a fast-paced environment, leading **scrum collaborations that improved development efficiency by 35%** and reduced project turnaround time.
- **Optimized CI/CD pipelines** with **Jenkins/GitHub Actions**, cutting **deployment time by 50%** and accelerating **release cycles by 40%**.

Software Developer , S&P Global   Hyderabad, INDIA | March 2020 – September 2020

- Developed and Restructured 20+ APIs and **microservices** using **Java** and **Spring Boot**, improving system performance by 40% and enhancing functionality.
- Assisted in modernizing legacy systems by migrating to **React.js** and **Spring Boot**, reducing downtime by 35% and increasing scalability by 50%.
- Simplified **SQL queries**, cutting query execution time by 45%, enabling real-time analytics for 100,000+ records and improving transaction speeds.
- Contributed to the development of a secure payment processing system, ensuring 100% compliance with industry security standards and reducing fraud risks by 30%.

TECHNICAL SKILLS

- **Languages & Frameworks**: Java, Spring Boot, Spring MVC, Hibernate, JavaScript (ES6+), TypeScript, React.js, Angular, Next.js
- **Databases & Caching:** PostgreSQL, MySQL, MongoDB, Redis
- **DevOps & Cloud:** Docker, Kubernetes, Jenkins, GitHub Actions, CI/CD, AWS (Lambda, S3, DynamoDB, EC2, API Gateway), Azure (AKS, Functions, Blob Storage)
- **Security & Networking:** OWASP Standards, API Security, Authentication & Authorization, Load Balancing, Distributed Systems
- **Development Practices:** Agile (Scrum, Kanban), Microservices, TDD, DDD, RESTful & GraphQL APIs

PROJECTS

Stay-Well - Project Manager, Lead Developer

- **Led the development** of an **e-commerce platform** with **Java, Spring Boot & React.js**, delivering **25% ahead of schedule**.
- **Increased platform reliability by 30%** through **database optimization and scalable RESTful APIs** while **automating 90% of deployments**.
- **Improved scalability by 40%**, deploying **Dockerized microservices with Kubernetes**, accelerating delivery by **35%** using Agile.**CI/CD (Jenkins/GitHub Actions)**, reducing manual effort.

LEADERSHIP

- **Led a team of 16** to develop a full-stack application, completing **25% ahead of schedule** using Agile.
- **Managed sprints & delegated tasks**, improving workflow efficiency by **20%** and accelerating feature delivery.
- **Mentored developers**, increasing productivity by **15%** and cutting onboarding time by **30%**.

EDUCATION

Pace University - Master of Science in Computer Science **- New York City, NY**   **January 2023 – May 2024**