Santhosh Reddy Komatireddy

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Education

Clark University, MA, USA   **May 2025**

M.S in Information Technology – Advanced Programming, Web Development, Database Design

Professional Experience

Software Engineer Intern | Flatiron Health, MA, USA   **Jan 2025 - Present**
- Developed **Spring Boot microservices** for oncology data pipelines, **reducing latency by 30%** and accelerating structured insights delivery for clinical and research platforms.
- Refactored **React.js components** in clinician dashboards, improving rendering time **by 35%** for 100+ daily active users in oncology workflows.
- Designed **CI/CD pipelines** with Jenkins & GitHub Actions, cutting deployment effort **by 40%** while ensuring HIPAA compliance.
- Managed **Kubernetes-based ingestion services** on AWS, sustaining **99.9% uptime** for real-time data availability in cancer research studies.
- Enhanced **JUnit test coverage** from 70% to 90%, improving defect detection **by 25%** and reducing production tickets **by 15%**.

Associate Software Engineer | Symphony Talent, Bangalore, India   **Mar 2022 - Aug 2023**
- **Owned, designed, and architected** the *Loginless Feedback Service* for candidate experience surveys, enabling secure, token-based access without user authentication. Reduced feedback submission drop-off **by 35%** and increased survey completion rates **by 28%** across global clients.
- Built **RESTful APIs** with Spring Boot and Kafka, increasing data throughput **by 40%** and enhancing recruitment analytics dashboards' responsiveness.
- Developed **React.js + Redux modules**, improving page load times **by 35%** and boosting user session retention **by 25%** across talent management platforms.
- Improved **SQL queries + Redis caching layers**, reducing dashboard latency **by 30%** and optimizing transactional performance.
- Deployed microservices on Kubernetes using Docker, reducing manual deployment time **by 40%** and improving release stability.
- Engineered a hybrid office seat booking system with **Spring Boot, Angular, MySQL, and Python (Slack integration)** that enabled 90% seat utilization in the office and decreased booking errors by 25% during hybrid work adoption.
- Collaborated in **Agile Scrum** ceremonies to plan bi-weekly sprints, manage backlog, and deliver features on schedule.

Full Stack Developer | IQVIA, India   **Feb 2020 - Feb 2022**
- Delivered **Spring Boot + React.js health analytics apps**, improving usability **by 30%** and cutting dataset processing time **by 40%**.
- Integrated **OAuth2 & JWT security**, reducing unauthorized access **by 50%** and aligning with HIPAA standards.
- Built **ETL workflows** in Python & Airflow, automating **30%** of reporting tasks and increasing data validation accuracy **by 25%**.
- Leveraged **Kafka streaming**, improving trial insights delivery **by 45%** across global teams.
- Managed AWS & Azure deployments with **Docker + Kubernetes**, achieving **99.9% uptime** and cutting rollback events **by 35%**.

Projects

AI-Powered Resume Tailoring Platform (Full-Stack Project)   *Java Spring Boot, React.js, MySQL, Hugging Face*   **Github Link**
- Engineered a full-stack AI-driven ATS optimization platform using Java Spring Boot, React, MySQL, and Hugging Face, achieving ~40% improvement in ATS match scores for test resumes.
- Designed and deployed REST APIs for resume/job uploads, ATS scoring, and AI-based tailoring, reducing manual resume customization time by 60%.
- Built a modern, responsive React UI enabling 100% faster candidate-job fit analysis with real-time score visualization and tailored PDF download.

Auto Parts Marketplace – Full Stack Web Application   *Java Spring Boot, React.js, MySQL*   **Github Link**
- Directed a scalable Auto Parts Marketplace web application using Java Spring Boot (backend) and React.js (frontend), integrating optimized RESTful APIs with a MySQL database. Implemented a subscription-based model that increased monetized listings by 40%, and ensured secure JWT-based authentication with role-based access control.
- Enhanced backend performance by 30% through query optimization, indexing, and caching strategies. Adopted Agile methodologies for sprint planning and CI/CD, delivering a responsive, cross-device user experience with real-time inventory updates.

Technical Skills

Languages: Java, Python, Typescript, JavaScript, PHP, C, SQL, HTML, CSS
Frameworks: Angular, Spring Boot, ReactJS, ExpressJS, NodeJS, NextJS, Tailwind CSS, REST APIs
Cloud & DevOps: AWS (S3, Lambda, EC2), Azure App Services, Docker, Kubernetes, Jenkins, GitHub Actions
Databases: MySQL, PostgreSQL, MongoDB
Data & Streaming: Apache Kafka, Apache Airflow
Testing & Security: JUnit, TestNG, OAuth2, JWT
Tools & Methodologies: Git, Maven, Jira, Trello, Bitbucket, Agile Scrum, SDLC

Certification

AWS Certified Developer – Associate – Amazon Web Services (*Aug 2027*)

Microsoft Certified: Azure Developer Associate – Microsoft (*Nov 2024 – Nov 2025*)

Microservices Foundations Professional Certificate – LinkedIn & Kong (*May 2025*)

The Complete Java Development Bootcamp – Udemy (*Sep 2022*)