Santhosh Reddy | Software Engineer

MA, USA | +1 (774) 234-6006 | **santhoshreddyk00@gmail.com** | **LinkedIn** | **GitHub**

Summary

Software Engineer with **4+ years of experience** delivering secure, cloud-native solutions in healthcare and enterprise domains. Skilled in Java, Spring Boot, React.js, and AWS. Proven ability to design scalable microservices, automate CI/CD pipelines, and optimize performance in HIPAA-compliant systems. Agile teams, balancing frontend responsiveness with backend reliability to support high-impact business outcomes.

Education

Master of Science, Information Technology | Clark University, Worcester, MA, USA	**May 2025**
Bachelor's Degree, Electronics and Communication Engineering | Institute of Aeronautical Engineering, Hyderabad, India	**Aug 2022**

Professional Experience

Software Engineer Intern | Flatiron Health, MA, USA   **Jan 2025 - Current**

- Developed microservices using Spring Boot for oncology data pipelines, reducing latency by 30% and accelerating structured insights delivery across clinical and research applications in production systems.
- Refactored React.js components in clinician dashboards, improving rendering time by 35% and enhancing UI responsiveness for over 100 active users in daily decision-making workflows.
- Designed CI/CD automation with Jenkins and GitHub Actions, reducing deployment effort by 40% and ensuring regulatory compliance with HIPAA standards across staging and production environments.
- Managed Kubernetes-based ingestion services on AWS, sustaining 99.9% uptime and minimizing disruptions for real-time data availability used in oncology research studies.
- Enhanced JUnit test coverage to 90%, improving defect detection by 25% and reducing production support tickets by 15% within the first quarter after integration.

Associate Engineer Full Stack Developer | Symphony Talent, Bangalore, India   **Mar 2022 - Aug 2023**

- Built RESTful APIs with Spring Boot and Kafka integration, increasing data throughput by 40% and enhancing recruitment analytics pipelines' responsiveness and dashboard interactivity.
- Developed frontend modules with React.js and Redux, improving load times by 35% and enhancing user session retention by 25% across talent management software interfaces.
- Improved SQL queries and added Redis caching layers, decreasing dashboard latency by 30% while increasing transactional efficiency in job listing and tracking modules.
- Deployed microservices on Kubernetes using Docker containers, reducing manual deployment time by 40% and improving availability during release rollouts and feature upgrades.
- Implemented OAuth2 and JWT-based security layers, reducing access control issues by 60% and meeting organizational compliance for data privacy across client implementations.

Full Stack Developer | IQVIA, India   **Feb 2020 - Feb 2022**

- Delivered Spring Boot and React.js solutions for health analytics, increasing usability by 30% and cutting processing time for patient datasets by 40% in production platforms.
- Integrated OAuth2 and JWT protocols for secure API access, reducing unauthorized access by 50% and aligning backend services with HIPAA regulatory requirements.
- Built ETL workflows using Python, Pandas, and Airflow, automating 30% of reporting tasks and increasing data validation accuracy by 25% in biweekly reporting cycles.
- Used Kafka for real-time trial metrics streaming, improving insight delivery by 45% and enabling better oversight across globally distributed clinical trial teams.
- Orchestrated deployments via Docker and Kubernetes on AWS and Azure, achieving 99.9% uptime and cutting rollback events by 35% through container health monitoring.

Projects

Auto Parts Marketplace – Full Stack Web Application

- 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, JavaScript, Python, SQL, C++
Frontend: React.js, Redux, HTML5, CSS3, Bootstrap, Angular.js, TypeScript, Node.js
Backend & Frameworks: Spring Boot, Spring MVC, Hibernate, 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
Version Control & Tools: Git, Maven, Jira, Trello, Bitbucket
Methodologies: Agile (Scrum), SDLC

Certification

Microsoft Certified: Azure Developer Associate | **Microsoft**	Nov 2024 - Nov 2025
Microservices Foundations Professional Certificate by Kong | **LinkedIn & Kong**	May 2025
The complete Java Development Bootcamp | **Udemy**	Sep 2022