# Sai Charan Lenkallapally

Saint Louis, MO | +1(314)-226-8936 | slenkallapally@gmail.com | LinkedIn | GitHub

## SUMMARY

**Software Developer with 3+ years of experience** building scalable, cloud-native applications and delivering performant solutions in agile environments. Proven expertise in full-stack development, containerized microservices, and CI/CD automation using technologies like Node.js, React.js, AWS, Docker, and Kubernetes. Recognized for reducing system latency by 35% and accelerating delivery cycles by 60% through infrastructure automation. Known for driving cross-functional collaboration, mentoring junior engineers, and delivering robust, secure, and maintainable code aligned with business goals.

## SKILLS

- **Programming Languages:** Python, Java, JavaScript (ES6+), TypeScript, C, PHP, SQL
- **Front-End Development:** HTML5, CSS3, React.js, Angular, Redux, jQuery, Bootstrap, TailwindCSS
- **Back-End Development:** Node.js, Express.js, Yii Framework, REST APIs, GraphQL
- **Cloud Platforms:** AWS (EC2, S3, Lambda, RDS, CloudWatch), Azure (App Services)
- **DevOps & Infrastructure:** Docker, Kubernetes, Jenkins, CircleCI, Git, GitHub, Terraform, Nginx
- **Testing & Automation:** Selenium, Pytest, TestNG, JUnit, Postman, Mocha, Chai, Swagger
- **Databases:** MongoDB, PostgreSQL, MySQL
- **Machine Learning & Data:** Scikit-learn, Pandas, NumPy, TensorFlow (basic)
- **Development Methodologies:** Agile (Scrum, Kanban), Test-Driven Development (TDD), CI/CD automation, secure coding

## EXPERIENCE

**Intel Corporation**                                                                                           **May 2021 – Jun 2023**
**Software Developer**

- Spearheaded a cloud-native migration of monolithic systems into containerized microservices using Docker and Kubernetes on AWS, reducing latency by 35% and achieving 99.99% uptime.
- Engineered reusable, modular REST APIs for core business logic using Node.js and Express.js, which reduced development overhead by 40% across internal teams.
- Automated deployment workflows via Jenkins and CircleCI, cutting deployment times by 60% and increasing release frequency from bi-weekly to weekly.
- Led security enhancement efforts by implementing JWT-based authentication and RBAC, decreasing vulnerability reports by 70% within the first year.
- Conducted in-depth code reviews and mentored 5+ junior developers, fostering a culture of clean, maintainable code and improving code quality metrics by 25%.
- Collaborated across QA, DevOps, and Product teams to align architecture with business goals, resulting in 30% faster feature delivery and reduced post-release issues.
- Created monitoring and alerting systems using AWS CloudWatch and Prometheus, enabling real-time diagnostics and reducing incident response time from hours to minutes.

**IBM Corporation**                                                                                            **Apr 2020 – Apr 2021**
**Software Developer**

- Designed and delivered a dynamic HR onboarding portal using Java 11, React.js, and PostgreSQL, cutting onboarding time by 80% and earning internal recognition for innovation.
- Modernized UI/UX across internal applications by replacing outdated jQuery logic with React.js components and WebSocket-based live feeds, improving load times by 40%.
- Refactored backend services and integrated OAuth2.0 and internal SSO, enhancing authentication security and user experience across departments.
- Built scalable ORM queries in Hibernate to optimize performance for high-volume reporting dashboards, reducing average query time by 30%.
- Wrote Dockerfiles and containerized legacy apps for uniform dev/test environments, accelerating QA cycles and reducing environment-related bugs by 50%.
- Led multiple Agile sprints, took ownership of sprint planning and estimations, and improved planning accuracy and team throughput by 15%.
- Developed and maintained Ansible playbooks to automate environment setup on Azure App Services, saving 10+ hours per week in manual provisioning efforts.

## PROJECTS

**E-commerce application**

- Developed a full-stack e-commerce platform using **React.js**, **Node.js**, **Express**, and **MongoDB**, featuring user authentication, product catalog, cart, and order management.
- Deployed the application on **AWS EC2** with **Docker**, achieving 99.9% uptime and sub-200ms response latency for a smooth user experience.

## EDUCATION

- **Master of Science – Computer Science**
  Saint Louis University – Saint Louis, MO                                                                                      USA
- **Bachelor of Science – Computer Science**
  Sreenidhi Institute of Science and Technology, Hyderabad                                                          INDIA