

Saisree Alaparathi

(937) 469-9252 | saisree.alaparathi@gmail.com | Fairborn, OH, USA
LinkedIn: [linkedin.com/in/alaparathi-saisree](https://www.linkedin.com/in/alaparathi-saisree) | GitHub: github.com/AlaparathiSaisree

Professional Summary

Results-driven Software Engineer with 3+ years of experience in designing and delivering full-stack applications, infrastructure automation, and cloud-native deployments. Proficient in modern DevOps tools (Prometheus, Grafana, Kibana, Datadog), cloud platforms (AWS, Azure), CI/CD pipelines, containerization (Docker), and observability practices. Strong expertise in building scalable and reliable infrastructure systems, with a focus on performance monitoring, alerting, and improving system availability. Passionate about driving platform efficiency, ensuring infrastructure reliability, and optimizing user experiences through data-driven insights.

Technical Skills

- Programming Languages: Python, Java, JavaScript, C, Swift
- Web & Mobile: React.js, Node.js, Android Development, XML, JSON, RESTful APIs
- Databases: MySQL, PostgreSQL, Oracle
- Tools: Git, Docker, Jenkins, AWS, Azure, Kibana, Datadog, Prometheus, Grafana
- Development Frameworks: Spring Boot, Angular

Education

Wright State University, Dayton, OH

Master of Science in Computer Science | Aug 2023 – May 2025 | GPA: 3.6

Koneru Lakshmaiah Education Foundation

Bachelor of Technology in Computer Science - Cybersecurity | June 2019 – Apr 2023 | GPA: 3.7

Experience

Software Engineer – Freelancer - Remote & On-Site | March 2022 – Present

Developed full-stack web/mobile apps using "React.js", "Spring Boot", and "Android SDK". Automated CI/CD with "Docker", "Jenkins", and "GitHub Actions"; deployed on "AWS" and "Azure". Built and scaled "MySQL/PostgreSQL" databases; implemented "Agile" practices.

Software Engineering Virtual Experience | JPMorgan Chase & Co. (Forage) | Mar 2025

Built a real-time financial dashboard using "React.js" and REST APIs for dynamic updates. Improved performance of data processing workflows and contributed to team documentation and developer tool training.

Mobile App Developer – Android Remote | Jan 2025

Created a weather app using "OpenWeatherMap API", "JSON", and Android SDK. Automated deployment with "Docker & Kubernetes on AWS EC2". Set up alerting/logging via "Datadog" and "CloudWatch", reducing incident response time by 40%.

Oracle Cloud Infrastructure Virtual Internship | Summer 2023

Gained hands-on experience with Infrastructure-as-Code using Terraform and managed AWS IAM policies. Developed CI/CD pipelines using Jenkins and GitHub Actions for automation. Wrote and maintained Bash and Python scripts for system monitoring.

Technical Projects

Privacy Preserving Machine Learning Research | Jan 2025 – Present

- Authored a paper on differential privacy, federated learning, and SMPC for secure AI systems. Presented findings at an internal university seminar on privacy-aware computing.

Weather App Jan 2025

- Developed a responsive weather app using React, OpenWeather API, and Node.js. Dockerized and deployed the app on AWS EC2 with a Jenkins CI pipeline for continuous integration.

Health & Life Insurance System | Jan 2023 – May 2023

- Built a secure insurance platform with role-based access control and JWT authentication using Django and PostgreSQL. Optimized APIs and implemented centralized logging with the ELK Stack. Deployed on AWS using Docker, integrated third-party APIs for claims processing.

Intelligent Hospital Management System | Jan 2022 – Apr 2022

- Designed and implemented a patient record management system and scheduling module using Java, MySQL, and Spring Boot.

Certifications

- AWS Certified Solutions Architect – Associate
- Microsoft Azure Fundamentals (AZ-900)
- Microsoft Security, Compliance & Identity Fundamentals
- Oracle Associate and Specialist – Cloud Infrastructure
- Palo Alto Networks Cybersecurity Academy – Network Security