

Sonali Rangampally

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SUMMARY

Computer Science graduate with hands-on experience in cloud infrastructure, CI/CD automation, containerization, and backend development. Skilled in AWS, Docker, Kubernetes, GitHub Actions, Linux, and RESTful APIs with experience deploying scalable applications and automating development workflows. Passionate about DevOps, cloud engineering, infrastructure automation, and site reliability.

TECHNICAL SKILLS

Cloud & Infrastructure: Terraform, Linux Administration, AWS (EKS, EC2, IAM, VPC, CloudWatch, S3, Auto Scaling), Kubernetes, Docker, Infrastructure as Code (IaC)
DevOps & Automation: CI/CD Pipelines, GitHub Actions, Jenkins, ArgoCD, GitOps, Deployment Automation, Infrastructure Automation, Docker Compose
Programming & Scripting: Python, Bash, Go, JavaScript, Java, C++,
Backend Development: Node.js, Express.js, REST APIs, Microservices
Databases: MongoDB, SQL
Monitoring & Observability: Prometheus, Grafana, Datadog, Log Monitoring, Application Monitoring, Troubleshooting
Tools: Git, GitHub, Jenkins, Docker Hub, Postman, ChatGPT, Claude, GitHub Copilot
Core Concepts: Kubernetes Architecture, Containerization, Cloud Computing, Distributed Systems, Operating Systems, Networking (TCP/IP, DNS, Load Balancing, VPN, Firewalls), Site Reliability Engineering (SRE), Software Development Lifecycle (SDLC)

EXPERIENCE / PROJECTS

DevOps Engineering Intern | Savantis Solutions | India

Aug 2022 – Nov 2023

- Designed and implemented a complete CI/CD pipeline for a Python-based web application using Jenkins, Git, and Docker.
- Developed Jenkins pipelines (Jenkinsfile) to automate build, test, and deployment workflows.
- Created custom Docker images and managed them via Docker Hub. Configured GitHub webhooks to trigger Jenkins jobs automatically on push events.
- Monitored application logs and container health using basic Bash scripts and Linux jobs.
- Deployed the containerized application on a local virtual machine simulating a production environment.
- Documented all steps in GitHub and followed Git best practices using feature branches and pull requests.

Production Kubernetes Platform on AWS EKS | [GitHub](#)

- Provisioned AWS EKS infrastructure using Terraform, including VPC networking, IAM roles, security groups, and managed node groups.
- Implemented GitOps deployment workflows using ArgoCD to automate Kubernetes application delivery and configuration management.
- Deployed Gitea as a self-hosted Git platform and integrated observability using Grafana and Prometheus dashboards.
- Built GitHub Actions pipelines for Terraform validation, security scanning, and infrastructure automation.
- Managed Kubernetes namespaces, services, ingress configurations, and monitoring components following production-style platform engineering practices.

Containerized Task Manager API with CI/CD & AWS Deployment | [GitHub](#)

- Developed and deployed a RESTful Task Manager API using Node.js, Express.js, and MongoDB
- Containerized the application using Docker and managed multi-container services with Docker Compose
- Implemented CI/CD workflows using GitHub Actions for automated build, testing, and deployment pipelines
- Deployed REST API on cloud platforms including AWS EC2 and Render with environment-based configuration and MongoDB Atlas
- Configured CRUD API endpoints and validated functionality using Postman
- Implemented structured logging and error handling to improve application reliability
- Managed source control and deployment workflows using Git and GitHub

OPEN SOURCE CONTRIBUTIONS | [Github](#)

- Contributed to open-source DevOps and cloud engineering projects, including Prefect.
- Built CI/CD, containerization, and automation solutions using Jenkins, GitHub Actions, Docker, Python, and PowerShell.

EDUCATION

M.S. in Computer Science & Engineering

California State University, Dominguez Hills | May 2026

CERTIFICATIONS

AWS Cloud Quest: Cloud Practitioner

Linux Essentials — Cisco Networking Academy

Azure AI fundamentals - Microsoft

AWS ML Internship

AWS Cloud Foundation Internship

Cisco Networking Essentials