Suraj Sanjay

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EDUCATION

Great Lakes Executive Learning	**GPA (3.89/4.33)**
Post Graduate Program in Cloud Computing	**Jan 2023 – Sep 2023**
SRM Institute of Science and Technology,	
Kattankulathur, India	**GPA (7.84/10)**
Bachelor of Technology in Electronics and Communication Engineering	**May 2017 – May 2021**

SKILLS

Programming Languages: Python, C, C++, JavaScript, Microsoft SQL, Excel VBA, Bash Scripting

Skills & Competencies:

- **Cloud Computing Platforms:** AWS, Azure
- **CI/CD pipelines:** Jenkins, Azure DevOps
- **Source Code Management:** GitHub, BitBucket
- **Containerization:** Docker, Kubernetes, Helm
- **Infrastructure Management:** Terraform, Ansible
- **Database Management:** MongoDB, PostgreSQL, Microsoft SQL

- **Scripting Languages:** Python, Bash
- **Agile Methodologies:** Scrum, Kanban, Jira, Azure Boards
- **Code Quality Analysis:** SonarQube, Trivy
- **Monitoring Tools:** Prometheus, Grafana, DataDog

EXPERIENCE

Synergech Technologies, Chennai, India

Software Engineer   **May 2025 – Present**

- Led a cross-functional team of 5 junior engineers, working directly under the CEO, to build **InfraGenie** — an AI-driven infrastructure provisioning platform leveraging **GenAI**, **Agentic workflows**, **RAG**, **DeepResearch**, **Terraform**, and **Azure Cloud**.
- Designed and implemented a **proprietary deep-research algorithm** in Python, achieving **96% code generation accuracy** for IaC templates.
- Architected the system using **Next.js, TypeScript, Python (FastAPI), Kubernetes, Docker, Azure, PostgreSQL, Alembic, Tailwind CSS**, ensuring scalability and high availability.
- Created and delivered **pitch decks** to enterprise clients, securing a **12-week pilot project** for production testing, with a collaboration contract of 12 months.
- Directed product roadmap, balancing technical architecture, AI research integration, and business requirements.

BONbLOC Technologies, Chennai, India

Associate Software Engineer   **Apr 2024 – May 2025**
BONbLOC

- **DevOps Engineer** leading the setup of an **On-Premises Red Hat OpenShift** cluster and optimizing **DockerFiles** to enhance microservice deployment efficiency, orchestrating **Batch**, **Middleware**, and **UI** microservices with **Kubernetes**.

- Automated infrastructure provisioning with **Terraform** and deployed services on **AWS EKS** via an automated **Jenkins Pipeline**, achieving a **30% reduction** in AWS service costs through resource optimization.
- Developed and documented **tagging strategies** and naming conventions for resource identification across environments (Dev, UAT, Prod).
- Authored content for BONbLOC's website and LinkedIn, collaborating with **UI/UX** and **Digital Marketing** teams.
- Configured *Route 53* records for subdomains, implementing weighted and geolocation-based routing.
- Deployed a static website using *AWS S3* and *CloudFront* for content delivery.
- Designed an *end-to-end CI/CD* Jenkins pipeline to automate the build process, upload the latest static folder to *S3*, configure CloudFront distribution, generate *SSL certificates via ACM*, and handle *cache invalidation*.
- Performed *disaster recovery* by backing up and migrating the Jenkins master node from on-premises to aws.
- Automated **PostgreSQL** and **Oracle** database backups running in Docker containers using *cron jobs* and Bash scripts, ensuring periodic uploads to S3 for data protection.
- Migrated applications to *Docker Compose*, optimizing service configurations for seamless deployments.
- Developed a comprehensive *Jenkins* pipeline with *Jira* integration to automate ticket resolution and streamline workflows.

McLane Inc. (Client-Side)

- Automating the patching process for 3 different flavours of Linux: **RedHat, SUSE, and Oracle Enterprise Linux (OEL)** using *Oracle Linux Automation Manager (OLAM)/Ansible Tower* and playbooks.
- Managing an environment with over **3,000 VMs**, including **Windows machines**, spread across **SUSE Manager**, **Spacewalk**, and **vSphere** across two **DCs**.
- Conducted market research to identify tools for scanning commit histories, resulting in the installation of **Soteri Secret Scanner** in a local environment with thorough documentation.
- Presented the implementation strategy to the client, securing project approval and collaborating with the team on the initiative.
- Automated the consolidation of **40 reports** generated by the Soteri Secret Scanner using **Python scripts**, reducing processing time from **five hours** to **minutes** (~**98%** reduction).
- Scanned over **100 repositories** with Soteri Secret Scanner, recognized as **Star of the Month** for outstanding project execution.
- Identified and utilized **git-repo-filter** tool to sanitize commit histories by redacting exposed secrets, ensuring compliance with security protocols.

Infosys Limited, Chennai, India

Systems Engineer   Aug 2021 – Dec 2022

- Worked as a Developer in the **SPO** unit of **RCLADM**, automating **BI report** production in **Excel** with **VBA**, reducing generation time by **70%**.
- Created bi-weekly **Travel Budget** reports and a **front-end application using C# and Python**, enhancing budget tracking and reducing technical team reliance.
- Produced daily **Pipeline and Logistics Mailer reports**, improving **data visualization** and enabling sales initiatives.

JPMorgan Chase & Co, Chennai, India

Intern   July 2020
- Over the period of July 2020 completed practical task modules in:
  a) Establishing Financial Data Feeds
  b) Front-End Web Development
  c) Data Visualization with Perspective

PROJECTS

- Advanced End-to-End DevSecOps Kubernetes Three-Tier Project :
  - Utilized **Jenkins** for CI/CD automation, **Docker** for containerization, and **Trivy** for security scanning.
  - Managed **EKS** for scalable Kubernetes clusters, **Terraform** for IaC, and **SonarQube** for code quality.
  - Implemented **ArgoCD** for GitOps and used **Prometheus** & **Grafana** for monitoring and visualization.
- Production Grade Java Web App CI/CD Deployment
  - Deployed a Java Maven blogging web app using **GitHub** for version control, **Jenkins** for CI/CD, and **Terraform** for infrastructure as code.
  - Utilized **DockerHub**, **Nexus**, and **Trivy** for container management and security.
  - Managed the app on **Amazon EKS**, with monitoring via **Prometheus** and visualization using **Grafana**.
- Golang Web Application Deployment with CI/CD
  - Successfully completed an end-to-end project with a **Golang** web app, using **Docker** for containerization, **Kubernetes (Minikube)** for local cluster management, and **Helm** for automated deployment.
  - Implemented CI/CD with **GitHub Actions** and streamlined continuous deployment with **ArgoCD**.

CERTIFICATIONS

- Certified Kubernetes Administrator   **The Linux Foundation**
- AWS Certified Solutions Architect (SAA-C03)   **Amazon**
- **HashiCorp Certified: Terraform Associate (003)**   **HashiCorp**
- RedHat Linux Administrator (RHCSA)   **Udemy**
- Foundations Of Project Management   **Google**
- Introduction to Generative AI Certification Badge   **Google**
- Introduction to C programming   **NPTEL**
- Kubernetes for the Absolute Beginners - Hands-on   **KodeKloud**
- Jenkins, From Zero To Hero: Become a DevOps Jenkins Master   **Udemy**