**Mahesh Srinivasan**
**DevOps Engineer | Cloud & Automation Specialist**
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## Summary

Passionate DevOps Engineer with expertise in automation, cloud infrastructure, and system engineering. I specialize in designing and managing scalable, secure, and high-performing environments.

**Core Skills:**
✅ Cloud Infrastructure: AWS, Azure, GCP
✅ CI/CD Pipeline Automation: Jenkins, GitHub Actions, GitLab CI/CD
✅ Configuration Management: Ansible, Terraform, CloudFormation
✅ Scripting & Automation: Python, Bash
✅ Containerization & Orchestration: Docker, Kubernetes
✅ Monitoring & Logging: Prometheus, Grafana, ELK Stack
✅ Security & Compliance: IAM, Security Groups, Vulnerability Scanning

**What I Do:**
✔ Automate workflows to improve efficiency and reliability
✔ Build scalable cloud infrastructure for high-availability applications
✔ Enhance security and compliance in cloud environments
✔ Implement CI/CD pipelines to accelerate software delivery
✔ Optimize system performance and reduce operational costs

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## Professional Experience

**Nura Analytix LLP (Datacrew.ai)**
*DevOps Engineer*
September 2024 – Present | Chennai, Tamil Nadu, India

- Architect, automate, and manage cloud infrastructure (AWS, Azure, GCP).
- Design and implement CI/CD pipelines for seamless software delivery.
- Automate infrastructure provisioning using Terraform, Ansible, and CloudFormation.
- Deploy and manage containerized applications with Docker and Kubernetes.
- Enhance system security and compliance (IAM, security policies, VAPT).

- Optimize system performance, cost, and reliability through proactive monitoring and logging.

**Contus Tech**
*System Engineer*
October 2022 – March 2024 | Chennai, Tamil Nadu, India

- Managed and monitored all installed systems and infrastructure.
- Installed, configured, tested, and maintained operating systems and application software.
- Ensured high system availability and optimized performance.
- Maintained security, backup, and redundancy strategies.
- Developed automation scripts to enhance system efficiency.

**Lcube Innovative Solutions**
*System Administrator*
December 2021 – October 2022 | Kanchipuram, Tamil Nadu, India

- Installed and configured software and hardware.
- Managed network servers and technology tools.
- Ensured security through access controls, backups, and firewalls.
- Troubleshot issues and outages to maintain system reliability.

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## Projects

### Automating Application Deployment from GitHub to GCP

- Developed an automated CI/CD pipeline using Jenkins, Google Container Registry (GCR), Compute Engine, and Cloud Run.
- Enabled automated builds, continuous deployment, and rollback mechanisms.
- Reduced deployment time from hours to minutes.
- Improved efficiency with Cloud Run's auto-scaling capabilities.

### Tableau Server Installation & Configuration in a Bank Environment

- Installed and configured Tableau Server for secure banking analytics.
- Implemented role-based access control and data governance policies.
- Improved data security and compliance with banking regulations.
- Enhanced performance and scalability for enterprise reporting.

### ETL Application Deployment in a Bank Environment

- Designed a Python-based ETL application to integrate Salesforce with a bank's database.

- Automated data synchronization for improved accuracy and consistency.
- Enhanced operational efficiency by reducing manual data entry.
- Ensured secure API connections and encrypted data transfers.

**Talend Server & Studio Installation on AWS Windows Server**

- Deployed Talend Server and Studio on AWS Windows Server for ETL processes.
- Configured Oracle Database integration for seamless data processing.
- Optimized system performance, scalability, and security.

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## Education

- **Cognitive Class** – Computer Programming (2020)
- **CSC** – Diploma in Computer Application, Computer Science (April 2018 – May 2019)

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## Certifications

- Data Visualization Using Python
- Programming Foundations: Databases
- Data Analysis Using Python
- Python 3
- Python (Basic)

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## Technical Skills

- Cloud Platforms: AWS, Azure, GCP
- CI/CD Tools: Jenkins, GitHub Actions, GitLab CI/CD
- Infrastructure as Code: Terraform, Ansible, CloudFormation
- Scripting: Python, Bash
- Containerization: Docker, Kubernetes
- Monitoring: Prometheus, Grafana, ELK Stack
- Security: IAM, Security Groups, VAPT