

MANIKANTAN PC

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Professional Summary

DevOps Engineer with expertise in **CI/CD automation, cloud computing (AWS, Azure, GCP), containerization (Docker, Kubernetes), and IaC (Terraform, Ansible)**. Skilled in workflow optimization, deployment pipelines, and system reliability. Proficient in **Linux, scripting (Bash, Python), Git, and monitoring (Prometheus, Grafana)**. Passionate about automation, best DevOps practices, and scalable solutions, with a drive to adopt cutting-edge technologies.

Technical Skills

- Scripting Languages: Bash, Python
- CI/CD: Jenkins
- Containerization: Docker, Kubernetes
- IaC: Terraform
- Cloud: AWS, Azure, GCP
- Configuration Management: Ansible, Chef, Puppet
- Monitoring and Logging: Grafana, Nagios, Splunk, ELK
- Databases: MySQL, Oracle
- Version Control: Git, GitHub
- Project Management: JIRA, Agile, Scrum

Education

Bachelor of Computer Application (2014-2017)

Alagappa University, Karaikudi

First Class

- Completed a comprehensive 3-year program with a strong focus on software development and IT fundamentals. - Relevant coursework: Data Structures, Database Management Systems (DBMS), Web Development, Object-Oriented Programming (OOP), Computer Networks, Operating Systems, and Software Engineering.

Projects & Seminar

Star Agile Health Care

GitHub: [Project Link](#)

Healthcare Management System

Technologies: Docker, Kubernetes, Terraform, AWS, Prometheus, Grafana

- Developed a scalable healthcare platform with automated CI/CD pipelines, reducing deployment time by 40%.
- Implemented containerized microservices using Docker and Kubernetes for efficient resource utilization.
- Integrated monitoring with Prometheus and Grafana for real-time system insights and proactive issue resolution.
- Optimized infrastructure using Terraform and Ansible, achieving a 30% reduction in cloud costs.

Star Agile Banking & Finance

GitHub: [Project Link](#)

Banking & Finance Management System

Technologies: Docker, Terraform, AWS, Prometheus, Grafana, Ansible

- Designed a secure and scalable banking system with automated deployment pipelines.

- Implemented microservices architecture using Docker, improving system modularity and maintainability.
- Enhanced security and monitoring with Prometheus and Grafana, ensuring 99.9% system uptime.
- Optimized cloud infrastructure using Terraform and Ansible, reducing manual intervention by 50%.

DevOps Project - Swiggy

GitHub: [Project Link](#)

Swiggy-like Food Delivery System with DevOps Practices

Technologies: Docker, Jenkins, Terraform, AWS, Prometheus, Grafana, SonarQube

- Automated deployment and scaling using Kubernetes and Jenkins, reducing deployment time by 50%.
- Integrated monitoring with Prometheus and Grafana for real-time system health tracking and performance optimization.
- Implemented Infrastructure as Code (IaC) using Terraform, enabling efficient cloud resource management and scalability.
- Conducted code quality analysis using SonarQube, improving code maintainability and reducing bugs by 25%.

Experience

Internship

13-Jun-2024 to 18-Sep-2024

HighCatch

- Completed an intensive **DevOps Internship Program**, gaining hands-on experience with CI/CD pipelines, containerization (Docker), and cloud infrastructure (AWS/GCP).
- Collaborated with cross-functional teams to automate deployment processes, reducing manual errors by 30%.
- Worked on tools like Jenkins, Kubernetes, and Git for version control and deployment automation.

Founder and Business Owner

2017 – 2024

ELOT

- Managed daily operations, including supply chain logistics, vendor relationships, and inventory management.
- Led a team of three employees, overseeing hiring, training, and task delegation to ensure operational efficiency.
- Developed strong problem-solving skills by optimizing inventory management and sales processes, resulting in a 20% increase in revenue.
- Gained experience in automation and data tracking, which sparked a deep interest in **DevOps** and process optimization.
- [LINK](#)

Certifications and Achievements

Certifications:

- Docker Essentials - IBM - [LINK](#)
- Scalable Web application on Kubernetes - IBM - [LINK](#)
- DevOps Fundamentals - IBM - [LINK](#)
- DevOps Engineering - [LINK](#)

Languages

- Fluent in English, Hindi, Kannada and Malayalam