



About Me

DevOps Engineer with 4+ years of hands-on experience in automating software deployments, managing CI/CD pipelines, and optimizing application configurations. Proficient in streamlining build, release, and deployment processes across multiple environments, ensuring smooth code transitions from development to production.

Executive Summary

- ◆ DevOps Engineer with hands-on experience supporting software development teams by implementing scalable, secure, and automated infrastructure solutions.
- ◆ Proficient in container orchestration using Kubernetes and Docker, enabling seamless microservices deployment, auto-scaling, and zero-downtime rollouts across distributed environments.
- ◆ Proven track record in setting up and maintaining robust CI/CD pipelines using Jenkins, Azure DevOps, and Docker, leading to significant improvements in deployment efficiency and quality assurance.
- ◆ Certified **Chaos Engineer** with Gremlin Chaos Engineering Practitioner Certification (**GCCEP**).
- ◆ Enabled proactive infrastructure monitoring and issue resolution by implementing scalable logging and alerting systems with Zabbix, ELK Stack, Grafana, Uptime.

Education, Certification & Affiliation

- ◆ **Gremlin Chaos Engineering Practitioner Certificate - GCCEP**
 - ◆ **B.TECH in Computer Science and Engineering** from College of Engineering Vadakara, CUSAT (2014- 2018)
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Professional Experience

Netstratum Technologies (DevOps Engineer)

[Dec 2021 - Present]

Worked on multiple projects Video-Conferencing-as-a-Service Suite (VCaaS) and Human resource management application (HRSaaS).

- ◆ Provide DevOps support to the development team and ensure that the software development infrastructure is reliable and scalable.
- ◆ Setup and maintain, automated CI/CD for Web, Desktop, Mobile applications using Jenkins, resulting in 60% reduction in deployment time.
- ◆ Managed and maintained Kubernetes clusters and virtual machines hosted on CloudStack, optimizing resource usage and scalability.
- ◆ Orchestrated the deployment, scaling, and management of Docker containers using Kubernetes, ensuring high availability and efficient resource utilization.
- ◆ Managed and maintained Kubernetes clusters and VM's hosted on CloudStack, optimizing resource usage and scalability.
- ◆ Orchestrated the deployment, scaling, and management of Docker containers using Kubernetes, ensuring high availability and efficient resource utilization.
- ◆ Installed and configured SonarQube, integrating it with Jenkins to ensure code quality and continuous inspection across projects.
- ◆ Monitoring multiple servers and network devices hosted across different DC using tools like Zabbix and Grafana.
- ◆ Involved in migrating multiple servers in development and production from Digital ocean to Cloudstack.
- ◆ Researching and implementing different open source tools to improve the efficiency of the software development and delivery process.

Tapasya global solutions (DevOps Engineer)

[April 2021 - Dec 2021]

It's a Telecom data collection project. They are processing 5G data based on the analysis.

- ◆ Performed DevOps operations at Tapasya global solutions.
- ◆ Orchestrated AWS services using [AWS Step Functions](#).
- ◆ Developed code with both AWS Lambda and AWS Step Functions to access AWS resources like (Amazon S3 buckets).
- ◆ Created [Lambda Functions](#) using python Boto3 to validate JSON files.
- ◆ Created Amazon S3 trigger to invoke a Lambda function when JSON files appear in S3 buckets.
- ◆ Deployed AWS Lambda Function using Serverless Framework.

dWise Healthcare (Software Engineer)

[Jan 2020 - June 2020]

Upgraded AsterDM medical application to include new registration fields in patient registration. Insurance modules needed to be updated as well.

- ◆ Enhanced AsterDM medical application used for patient enrolment by modifying backend and services.
- ◆ Modified patient profile database tables to include government regulated fields like Adhar and Voter information.
- ◆ Created Services in PHP to link functions created in PostgreSQL in the backend.
- ◆ Modified Insurance modules and backend services to support new insurance policies.
- ◆ As a backend developer, created/modified PostgreSQL db tables/functions to support changes proposed by business.

Cochin University of Science and Technology (Student)

Created a chat application using PRIDE technology to optimize data transfer in networks. The project was used as a Technology demo of PRIDE technology. We implemented the de-duplication engine, and experimental results show that our proposed scheme can remove up to 65 percent of the packet contents in a real campus network.

- ◆ Created .NET application using PRIDE (Protocol-Independent De-Duplication Engine) to support internal and external communication between faculties, students and parents.
- ◆ Created scalable solution for supporting emerging networks with new de-duplication engine.
- ◆ Used Packet level de-duplication engine for supporting a range of networks running from traditional internet to emerging networks.
- ◆ The new scalable de-duplication engine for packet recording can eliminate redundant contents over multiple packets. The proposed scheme is designed for packet-level de-duplication to support any kind of network from the current Internet to emerging networks.

Technical Knowledge

Languages	Python
Databases	MySQL,PostgreSQL, Cassandra
CI/CD Tools	Jenkins, Azure DevOps
Operating systems	Windows, Linux
Cloud Tools	AWS, EC2, S3, IAM, RDS, Lambda
Infrastructure Automation Tools	Terraform
Programing Tools	Eclipse, Visual Studio,AWS cli
Container Orchestration Tools	Docker, Kubernetes
Monitoring tools	Zabbix, Grafana, Uptime
Event Streaming Tools	Kafka
Chaos Engineering Tools	Gremlin
Code Quality Check Tools	SonarQube
Others	Git and Git workflows
Virtualization Tool	ESXi, Cloudstack, Oracle VM Virtual Box, Proxmox