

# MOHD SUHAIL

+91 7017991997 ◇ Delhi, India

[suhailchoudhary340@gmail.com](mailto:suhailchoudhary340@gmail.com) ◇ <https://www.linkedin.com/in/mohd-suhail-9b81201a1/> ◇

## OBJECTIVE

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Highly motivated DevOps Engineer with 1.5 years of experience with managing AWS infrastructure and developing CI/CD pipelines. Increased deployment efficiency by 60% and reduced manual errors by 40%. Proven track record of containerizing applications using Docker and managing AWS infrastructure for improved scalability

## EDUCATION

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**Bachelor of Technology in Computer Science**, Dr. A.P.J. Abdul Kalam Technical University, Lucknow 2018 - 2022

Total GPA: 7.0/9.5

**Intermediate**, A.N.D.P Inter College

2016 - 2017

## SKILLS

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<b>Technical Skills</b>	AWS, Docker, Kubernetes, Jenkins, CI/CD, AWSECS, Terraform, GitHub, NGINX, Apache2
<b>Other Skills</b>	Python, Bash, SQL, MSSQL, Grafana, AWS Monitoring, Linux, Windows, PowerBI, Excel
<b>Networking</b>	DNS, SSL/TLS, VPC, IAM, Load Balancing, Firewalls, Troubleshooting

## EXPERIENCE

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**DevOps Engineer**

Chetu Pvt Ltd

Sep 2022 - Dec 2023

*Sector 62, Noida, India*

- Implemented CI/CD pipelines on AWS Cloud, reducing deployment time by 60%.
- Automated CI on Jenkins using AWS and minimizing manual errors by 40% through automated workflows.
- Legacy Web Applications are containerized with Docker, resulting in streamlined deployments that reduce downtime by 20%, improved scalability by 30%.
- Implemented the Docker web application and then migrated to AWS ECS by improving 30% uptime .
- Secured infrastructure by configuring Nginx, Apache2, and IIS web servers, implementing SSL certificates, and proxy setups to enhance security and performance as well as reducing manual errors or improving scalability.
- Automated Linux environment setup using shell scripting, reducing provisioning time by 50% and lowering the risk of human error in production systems.
- Implemented proactive monitoring solutions using Grafana and AWS CloudWatch, achieving a 25% reduction in incident response time and improving system uptime to 99.9%.
- Led the full project lifecycle for multiple client projects, from planning and architecture design to execution, ensuring successful, on-time deployments with continuous client interaction.
- Collaborated with development teams to optimize application performance and security, leading to a 15% increase in system efficiency.
- Implemented Infrastructure as Code (IaC) with Terraform, reducing the infrastructure provisioning time by 60%.
- Created technical documentation after completion of it.

## PROJECTS

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**Web Payment Gateway.** First plan the whole project regarding client requirements then worked on SDLC method.

Create the Docker files and Docker compose files according to the code of the project on the Linux. Then Containerized the web application whole code into multiple containers.

After working on testing part we have decided to move the containers on the AWS ECS. So with the help of Github we have moved the containers on the AWS ECS cloud for further automation.

Improving the working more efficiently we have implemented the CI/CD pipeline on the AWS cloud. In AWS Infrastructure we have use VPC, IAM, RDS, ECS, EC2, Load Balancer, CICD pipeline, S3, CloudWatch, SNS etc.

**Web Application for Medical Health.** In this project client requirements are IIS(windows) So we have plan the whole infrastructure for the project according to the client.

We have implemented the IIS web server and created the multiple servers for the testing and prod web application.

Implemented the SSL on the project domain as well as securities for the client.

**CI/CD via Git and Jenkins.** Build a project with the Apache2 web servers and add the multiple web applications to the single server.

After completing whole project we have worked on shell script fopr the automation. Then we have decided for the CICD pipeline with jenkins.

Implemented the Jenkins pipeline for the project but first we have moved the code on the github then created the jenkins Jobs.

**Mobile AdHoc Network Security, College Project, 2021 – 2022.** Developed and implemented an Intrusion Detection System (IDS) for mobile AdHoc networks using AI and Machine Learning, improving network security and detection accuracy by 25%.

Trained and optimized machine learning models to identify security vulnerabilities and anomalous behavior, significantly enhancing real-time threat detection.

Collaborated with a team of four to design the system architecture, resulting in a scalable solution that can be integrated into real-world applications for improved network security.

## CERTIFICATIONS

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- **Python.** Gained foundational knowledge in Python programming, data manipulation, and analysis using libraries such as NumPy and Pandas. – IIT Kanpur (PRUTOR).
- **Data Science.** Improved knowledge in python and data mnuplation using Machine Learnig and Artificial Intelligence. Completed this 6 Months course by 95%. - IIT Madras(One Fourth Lab).
- **SQL and Relational Database.** Improve database security skills as well as database backup methods with SQL. Got the idea how database reltional structure work and how a table form. - IBM.
- **Python in Data structure.** Got the knowledge how can I use data structure in Machine Learning and with the help of python and data structure improve the machine data learning. - Coursera.
- **Intro to cloud Identity.** In this course I have learned about clouds and its security as well as I have worked on cloud Infrastructure working with this course I have gained interest in clouds. - Coursera

## LEADERSHIP

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- Lead the team on the Junior level and distributed as well as managed the project work. Also teach the interns about many technologies and corporate working.