

Mohd Suhail

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Technical Skills

Technical: AWS, Docker, CI/CD, AWS ECS, GitHub, Nginx, Apache2, IIS, Kubernetes, Jenkins

Other Skills: Python, Bash, SQL, MSSQL, DSA, DBMS, Server Monitoring, Linux, Windows, PowerBI, Excel

Networking: DNS, SSL/TLS, VPC, IAM, Firewall, Troubleshooting, Grafana, Load Balancing, Scripting

Experience

Webkey India Ltd

Oct 2022 – Dec 2024

DevOps Engineer

Noida, India

- Implemented CI/CD pipelines on AWS Cloud, reducing deployment time by 60%.
- 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. faster incident response and 99.9% system uptime.”
- 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%.
- Automated CI on Jenkins using AWS and minimizing manual errors by 40% through automated workflows.
- From planning and architecture design to execution, ensuring successful, on-time deployments with continuous client interaction.
- Authored comprehensive technical documentation to detail project workflows, processes, and outcomes upon completion.
- Developed shell scripts to automate routine tasks, enhancing operational efficiency.
- Used **statistical analysis and predictive modeling** in charts targeting, segmentation to enhance work.

Projects

Web Payment Gateway: In Office

- Create the Docker files and Docker compose files according to the code of the project on Linux.
- Improving the working efficiency by 80% by implementing the CI/CD pipeline on the AWS cloud.
- In AWS Infras-tructure we have used VPC, IAM, RDS, ECS, EC2, Load Balancer, CICD pipeline, S3 etc.

Skills : Docker, CI/CD, GitHub, Linux, Networking, AWS etc.

Web Application for Medical Health: In Office

- Designed and implemented the infrastructure with IIS web servers on Windows, meeting 100% of the client's
- Deployed 100% secure SSL certificates for the project domain and ensured robust security measures.
- Created multiple servers for testing and production environments, achieving 100% operational readiness.

Skills : IIS(Windows), SSL, database, MSSQL monitoring etc.

AWS Cloud Infrastructure & Networking for Scalable Web Application : In Office

- Designed and deployed AWS infrastructure for a scalable web application.
- Configured VPC, subnets, security groups, and IAM roles to ensure secure and efficient networking.
- Implemented load balancing and auto-scaling to enhance application availability and performance.
- Set up EC2 instances, RDS databases, and S3 storage for backend and data management.
- Automated deployment using CloudFormation and integrated CI/CD pipelines for seamless updates.
- Monitored infrastructure using AWS CloudWatch, improving performance and reliability.

Skills : AWS(EC2, VPC, IAM, Route53, AWS CLI, AWS CI/CD etc.), Networking(subnets, Security groups, SSI etc), Linux etc.

Scalable Web Application Setup on Linux with Apache2 & AWS: *In Office*

- Deployed a web application on **Apache2** running on **Linux** for a secure and scalable setup.
- Configured **SSL/TLS certificates** for encrypted communication and enhanced security.
- Implemented **AWS-based load balancing** to distribute traffic and improve application availability.
- Automated server setup and deployment using **Shell scripting**, reducing manual effort.
- Managed **firewall rules, security groups, and IAM roles** for controlled access and security.
- Optimized web server performance and ensured high availability using **AWS EC2 and Auto Scaling**.

Skills : Apache2, Linux (Ubuntu), AWS, SSL/TLS, HTTPS, Firewall Management, Shell Scripting, Load Balancing etc.

Secure and Scalable PHP Application Setup on Nginx: *In Office*

- Deployed a **PHP-based web application** on **Nginx**, optimizing performance and scalability.
- Configured **Nginx as a reverse proxy** to efficiently manage port forwarding and request handling.
- Optimized **server configurations** for improved load times and reduced latency.
- Implemented **security best practices** such as firewall rules, access control, and SSL integration.
- Automated deployment and server management using **Shell scripting and Nginx configurations**.

Skills : Nginx, PHP, Reverse Proxy, SSL/TLS, Firewall Configuration, Shell Scripting, Load Balancing, AWS etc.

Web Application Deployment on IIS with MSSQL Integration: *In Office*

- Deployed a **web application** on **IIS** for a Windows-based hosting environment.
- Configured and optimized **MSSQL Server**, ensuring seamless database integration with the web application.
- Managed **IIS configurations, virtual directories, and application pools** for high availability and performance.
- Managed **IIS configurations, virtual directories, and application pools** for high availability and performance.
- Implemented **security measures**, including authentication, SSL encryption, and firewall rules.
- Automated **database backups, server maintenance, and deployment processes** for improved efficiency.

Skills : IIS, Windows Server, MSSQL, SSL/TLS, Firewall Configuration, Connection Pooling, Load Balancing etc.

Mobile AdHoc Network Security: *College Project*

- Developed and implemented an Intrusion Detection System (IDS) for mobile AdHoc networks using AI and ML.
- Improving network security and detection accuracy by 25%.
- Developed an **AI-powered Intrusion Detection System (IDS)** to enhance security in Mobile AdHoc Networks.
- Designed and trained models using **Python, Scikit-Learn, TensorFlow** for real-time threat detection.

Skills : Machine Learning & AI, Python, NumPy, Pandas, Networking & Security, Matplotlib etc.

Education

Dr. A.P.J. Abdul Kalam Technical University, Lucknow

Aug 2018 – July 2022

Bachelor of Technology in Computer Science and Engineering

Certifications:

- *Certification in python by IIT Kanpur*
- *Data Science by IIT Madras(One Fourth Lab)*
- *SQL and Relational Database by IBM*
- *Intro to cloud Identity by Coursera*
- *Python in Data structure by Coursera.*