

AHMAR HAYAT

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PROFESSIONAL SUMMARY

Experienced in cloud computing, DevOps, and automation with a strong foundation in AWS, Docker, Kubernetes, CI/CD pipelines using GitHub Actions, and infrastructure as code with Terraform. Skilled in deploying scalable, secure cloud solutions and optimizing IT infrastructure through automated workflows. Passionate about cloud-native technologies and continuous learning to drive innovation.

- **CLOUD COMPUTING:** Proficient in deploying scalable, secure cloud solutions using AWS services (EC2, IAM, S3, VPC, Lambda, etc.).
- **DEVOPS PRACTICES:** Automating workflows with Docker, Kubernetes, and GitHub Actions. Strong understanding of DevOps practices, ensuring efficient CI/CD pipelines and optimized infrastructure.
- **INFRASTRUCTURE AS CODE (IaC):** Skilled in infrastructure management with Terraform for automated, consistent cloud deployments.

DIGITAL SKILLS

- Deploying and managing cloud environments using AWS services
- CI/CD Pipeline Concepts
- Automation and Infrastructure as Code
- Networking Fundamentals (CCNA)
- VPNs, VOIP, OpenSSH
- Database Management (MySQL)
- Scripting and Configuration: Python, JSON, YAML
- Operating Systems: RedHat Linux | Ubuntu

TOOLS & TECHNOLOGIES

Cloud & Infrastructure Tools

- **AWS Services:** EC2, IAM, S3, VPC, Auto Scaling, Load Balancing, CloudWatch, Lambda, RDS, DynamoDB, API Gateway for building scalable and secure cloud environments.
- **Terraform:** Infrastructure as Code (IaC) for provisioning and managing cloud resources.
- **VMware | VirtualBox:** Virtualization platforms for creating and managing virtual machines.

Automation & CI/CD

- **Jenkins:** Continuous Integration/Continuous Deployment (CI/CD) server for automating the build and deployment processes.
- **GitHub Actions:** Automating workflows for code integration and deployment directly in GitHub repositories.

Web & Server Management

- **Nginx | Apache:** Configured and managed web servers for hosting and serving applications and static content.

EXPERIENCE

CLOUD & DEVOPS INTERN

Nov 2024 – April 2025

Systems Limited

Islamabad, Pakistan

- Designed, built and deployed multi-layered cloud infrastructure on AWS, utilizing a wide range of services including EC2, IAM, S3, Lambda, VPC, RDS and DynamoDB.
- Automated infrastructure provisioning and management with Terraform, ensuring, scalable repeatable, and secure infrastructure deployment.
- Managed AWS cloud resources, focusing on high availability, scalability, and cost optimization.
- Configured and maintained Nginx and Apache web servers to host applications and static content efficiently.
- Handled server setup, storage, and general infrastructure tasks across AWS services.
- Introduced to DevOps practices through hands-on experience with tools like Docker, Kubernetes, Jenkins, and GitHub Actions.
- Containerized simple applications with Docker to create consistent development and deployment environments.
- Deployed and managed basic workloads using Kubernetes to understand container orchestration and scaling.
- Built basic CI/CD pipelines using Jenkins and GitHub Actions to automate testing and deployment.
- Applied foundational concepts of continuous integration and delivery to streamline workflow and improve deployment efficiency.

Trainee DRPM Engineer

May 2024 – Oct 2024

Aglow Engineering Pvt Ltd (Subcon, Huawei)

Islamabad, Pakistan

- Overseeing telecom project's operations, ensuring timely execution and delivery in collaboration with RPM (Regional Project Manager).
- Worked closely with cross-functional teams, enhancing communication and coordination between onsite teams and stakeholders (Huawei, Pakistan)
- Monitored project quality and ensured compliance with industry standards
- Maintained detailed project documentation

Administration Work:

- User account management, creating, managing and deleting user accounts
- System monitoring, performance, uptime and resource management
- Software and OS installation, configuration, management and updates
- Configuring and managing network settings

EDUCATION

University of Agriculture, Peshawar, Pakistan
Bachelor of Science (BSc) in Computer Science

Nov 2019 - Oct 2023
CGPA 3.09/04.00

Final Year Project – Desktop Voice Assistant

- Developed a desktop voice assistant using Python to perform a range of automation tasks via voice commands.
- Implemented speech recognition and text-to-speech using libraries like `speech_recognition`, and `pyttsx3` for real-time user interaction.
- Integrated modules for Wikipedia search, web browsing, system operations (open applications, tell time), and email sending via SMTP, enhancing multitasking and accessibility.
- Using external libraries like 'Wikipedia' for information retrieval.
- Integrated `smtplib` to enable voice-activated email sending.
- Announcing current time.

PROJECTS

Node.js Application Deployment on AWS

- Deployed a Node.js web application on two EC2 instances, setting up separate environments for development and production.
- Utilized PM2 to manage and keep the application running in the background across both environments.
- Configured GitHub repository with separate branches (main and prod) mapped to respective servers.
- Prepared for CI/CD automation using GitHub Actions to streamline future deployments.

AWS Infrastructure Automation with Terraform

Provisioned a scalable AWS infrastructure using Terraform, including EC2, VPC, subnets, security groups, and IAM roles. Demonstrated strong understanding of infrastructure as code principles and cloud resource management.

Containerizing a Basic Application with Docker

- Containerized a simple web application built with Node.js using Docker.
- Ensured consistency across development and production environments through containerization.
- Created a Dockerfile and used Docker commands to package the application into a container.
- Demonstrated the ability to containerize applications, ensuring portability and isolation.

PROFESSIONAL SKILLS

- Project Management
- Teamwork
- Quality Control
- Risk Management