

Hamza Khan

Cloud DevOps Engineer

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PROFILE

Experienced DevOps Engineer with 2 years of experience in infrastructure automation and containerization. Proven ability to manage Linux systems, configure storage solutions, and implement CI/CD pipelines. Eager to support expertise in a collaborative and high-performing team environment.

PROFESSIONAL EXPERIENCE

- Cloud DevOps Engineer, PufferSoft Pvt Ltd** Nov 2023 – present
- Utilized a range of AWS services like SES, Elastic Beanstalk, API Gateway, CloudWatch, CodePipeline, Lambda, Route53 and AWS Systems Manager to build and manage cloud infrastructure solutions.
 - Deeply explored **Infrastructure-as-Code**, like Terraform, that significantly enhanced my proficiency Infrastructure management.
 - Worked with Python developers to configure code integration and automate the deployment processes to enhance their efficiency.
- DevOps Engineer, AntonX Pvt Ltd** May 2023 – Nov 2023
- Led the successful migration of a monolithic application to a **Kubernetes Cluster** improving scalability and operational efficiency.
 - Partnered developers to setup development and production environment for **3-tier applications**, using Git, GitHub and Docker.
 - Utilized AWS services like EC2, IAM, VPC, S3, RDS, DynamoDB, SNS, CloudWatch and NAT Gateways to design and implement robust and secure network architectures.
 - Contributed to the recruitment process by actively participating as part of the interview team for hiring new DevOps Interns, which enhanced my communication and interpersonal skills.

SKILLS

Linux Administration — Installation, Configuration, Troubleshooting, Disk Management using LVM, **Monitoring** — Prometheus, Grafana, **AWS** — EKS, ECS Fargate, Route53, System Manager, Cloudwatch, IAM, **Kubernetes** — Installation, Scheduling, Networking, Storage, **Networking** — Load Balancing, Subnetting, CIDR Blocks, **Scripting** — Python, Bash, **CI/CD** — Jenkins, CodePipeline, GitHub Actions, **IaC** — Terraform, CFN, **Databases** — MySQL, MongoDB, DynamoDB, **Version Control** — Git with Github and Gitlab, **Docker**

PROJECTS

- Monolithic to Kubernetes Migration on Huawei Cloud,** Oct 2023 – Dec 2023
Enabling Scalability and Agility 📄
- Deployed applications using YAML manifests for deployments, services, cronjobs, stateful sets, and Horizontal Pod Autoscalers.
 - Ensured efficient **service discovery and load balancing** through service manifests and Ingress resources.
 - Utilized Prometheus and Grafana (managed add-ons) to monitor application health, resource utilization, and performance metrics.
- Setted up CI/CD Pipeline for 3-Tier Application in AWS** 📄 Jan 2023 – Mar 2024
- Addressing client's concerns with manual deployments and management, implemented solution using **Elastic Beanstalk** and CICD
 - Automating the deployment process using CodePipeline, enhancing developers efficeincy and reducing time to production by 35%.
 - Provided **Terraform code** for whole infrastructure including API Gateway & CodePipeline to empower them with automation.
- Web Application Deployment in ECS Fargate** 📄 May 2024 – Jun 2024
- Successfully deployed a highly available and scalable 2 tier application on AWS ECS Fargate
 - Configured task definitions, networking, and IAM roles to ensure secure and efficient operation.
 - The application is successfully tested for about 1 Million Users

CERTIFICATES

- AWS Certified Solutions Architect Associate SAA-CO3 📄
- Huawei Cloud Certified Developer Associate (HCCDA)
- Certified Kubernetes Administrator (CKA) 📄

COURSES

- AWS SysOps Administrator Associate Course SOA-CO2, Stephane Maarek** 📄 Jan 2024 – Mar 2024
- "Introduction to Linux" by Linux Foundation, The Linux Foundation [EDX]** Jan 2023 – Apr 2023
- Terraform Training Course by Vijin Palazhi, KodeKloud** 📄 Nov 2023 – Dec 2023
- Artificial Intelligence (ML/DL), Uet Peshawer[NAVTTTC]** Jul 2021 – Jan 2022

EDUCATION

Bachelor of Science in Computer Science, University of Peshawar 2020 – 2024 | CGPA: 3.84