

Alamgir Munir Qazi

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PERSONAL STATEMENT

With over 6 years in the industry, I have a comprehensive background in both Full-stack and DevOps engineering. I have worked at medium-scale software-houses, startups and at enterprise level companies. Previously worked as a Senior Engineer (DevOps) at DigitalOcean. Currently pursuing a PhD in AI/ML at the University of Galway.

TECHNICAL SKILLS

DevOps

- **Cloud Platforms:**
 - **Amazon Web Services (AWS):** EC2, EKS, Elastic Beanstalk, Route 53, S3, AWS CodePipeline.
 - **Google Cloud Platform (GCP):** GKE, Object Store, Cloud Build.
- **Containerization:** Docker.
- **Orchestration:** Kubernetes (K8s/K3s).
- **Networking:** MetalLB, PowerDNS, dnsmist, KnotDNS, BIND9.
- **Automation:** Python, Bash.
- **Log Management:** ELK Stack, Clickhouse.
- **CI/CD:** Jenkins, AWS CodePipeline. Google Cloud Build.
- **Configuration Management & IaC:** Ansible.Terraform.
- **Messaging System:** Apache Kafka, ZeroMQ.

Full Stack

- **Front-end:** Angular, React.js (Next.js).
 - **Back-end:** Node.js, Python, Go.
 - **Databases:** MongoDB, Elasticsearch, Clickhouse, Redis, Postgresql.
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WORK HISTORY

University of Galway

PhD in Computer Science

2024 - present

- My Research involves Deep Learning / LLMs
- Working on AI4Debunk.

DigitalOcean

2023 - 2024

Senior Engineer, DevOps

- Wrote custom Playbooks in Ansible.
- Setup Jenkins pipelines for CI/CD on AWS EKS.
- Writing IAC using Terraform.
- Python Flask framework. Wrote automated swagger API documentation tool.

Iotascale.io

2022 - 2023

Technical Lead, DevOps

- As a Team Lead, I play a pivotal role in designing the architecture, system design and development of various cutting-edge products catering to enterprises and telcos.
- Contributed significantly to the solution design and deployment of six major products, demonstrating expertise in handling end-to-end software development processes.
- I helped in migration of the entire VM-based infrastructure to an on-premise Kubernetes environment using K3S.
- Deployment and Administration of multi-node Clickhouse for processing TBs of data per day with storage 60TB+.

Tech Avenue Pvt Ltd

2020 - 2022

Lead Software Engineer (Full Stack / DevOps)

- I played a key role in overseeing a talented team of 9-12 resources and leading by example.
- My responsibilities extended to infrastructure management and DevOps, ensuring seamless deployments.
- Spearheading the DPI Core team, I led the development of packet capture tools (inline & passive) based on libpcap and DPDK, enabling network analysis and monitoring.
- Played a substantial role in successfully delivering three major products, showcasing adeptness in managing end-to-end software development processes.

Micromerger Pvt. Ltd

2017 – 2020

Software Engineer (Full-stack / DevOps)

- Oversaw the development of Falaya.com platform. As a team lead, I took on roles as an Angular developer and DevOps expert, successfully establishing a comprehensive pipeline and deploying entire application on AWS.
- Development of a payment gateway application, taking charge of Frontend (Angular) development and deploying the entire infrastructure on Google Cloud using GKE.

QUALIFICATIONS**International Islamic University**

Islamabad
2013-2017

Bachelor of Science

Computer Science (BSCS)