Alamgir Munir Qazi

alamgir@alamgirqazi.com
https://alamgirqazi.com
https://www.linkedin.com/in/alamgirqazi

PERSONAL STATEMENT

I'm a PhD researcher at the University of Galway, Ireland, working at the intersection of Natural Language Processing (NLP) and Information Retrieval (IR). With 6+ years of industry experience, including as Senior Engineer @ Digitalocean, I bring an engineering perspective to AI research focused on efficiency and practical impact.

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.

- **Orchestration:** Kubernetes (K8s/K3s).

- **Networking:** MetalLB, PowerDNS, dnsdist, 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.

WORK HISTORY

University of Galway 2024 - present	**PhD in Computer Science** • Working at the intersection of Natural Language Processing (NLP) and Information Retrieval (IR). • My research explores how retrieval-based approaches can outperform large generative models in fact verification.

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

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)