

Raja Muhammad Awais

Nationality: Pakistani | **Phone number:** (+92) 3155406093 (Mobile) | **Email address:** muhammadawaisturk1@gmail.com | **Website:** <https://rajamuhammadawais.github.io/RajaAwais/> | **LinkedIn:** <https://shorturl.at/ASflG> | **Github:** <https://github.com/RajaMuhammadAwais> | **Address:** Abbottabad , Pakistan (Home)

ABOUT ME

I am a results-driven DevOps Engineer with a strong passion for solving complex problems through a unique blend of technical expertise and creative thinking. With a solid foundation in cloud infrastructure, automation, and CI/CD, I thrive in dynamic, fast-paced environments where continuous improvement is key. My approach combines precision, agility, and innovation leveraging tools like AWS, Kubernetes, Terraform, and Python to build scalable, resilient, and efficient systems.


I focus on optimizing processes, enhancing team collaboration, and delivering high-quality, production-ready solutions. By maintaining a balance between operational excellence and strategic foresight, I aim to drive long-term value and reliability across the software delivery lifecycle. With a keen eye for detail and a mindset rooted in growth, I continuously seek new ways to increase performance, reduce downtime, and elevate user satisfaction.

WORK EXPERIENCE

 **ROBOTICS WORLD** – ABBOTTABAD, PAKISTAN
Website <https://roboticsworld.com.pk/>

DEVOPS ENGINEER – 01/02/2025 – 01/08/2025

- 1. Design and maintain CI/CD pipelines for automated code build, test, and deployment.
- 2. Provision and manage cloud infrastructure using tools like Terraform and Ansible.
- 3. Deploy and orchestrate containers using Docker and Kubernetes.
- 4. Monitor system performance and logs using Prometheus, Grafana, and ELK Stack.
- 5. Automate tasks and processes using Bash and Python scripting.
- 6. Ensure infrastructure security, compliance, and disaster recovery.
- 7. Collaborate with development and operations teams to streamline delivery.

 **PULXENET** – ABBOTTABAD, PAKISTAN
Website <https://pulxenet.com/>

SENIOR DEVOPS ENGINEER – 01/08/2025 – CURRENT

- Designed and optimized **CI/CD workflows** leveraging GitHub Actions and Jenkins to automate build, testing, and deployment processes.
 - Implemented and managed **cloud infrastructure** with Infrastructure-as-Code tools such as **Terraform** and **Ansible**, ensuring scalability and consistency.
 - Deployed and managed containerized applications using **Docker** and **Kubernetes**, improving application reliability and scalability.
 - Developed automation scripts in **Python** and **Bash** to reduce manual efforts and streamline system operations.
- Applied best practices for **infrastructure security, compliance, and backup/recovery strategies**.
Partnered closely with developers and operations teams to accelerate software delivery and improve system stability.

EDUCATION AND TRAINING

2020 – 2024 Abbottabad, Pakistan
BS COMPUTER SCIENCE Abbottabad University Of Science And Technology
Website aust.edu.pk

2016 – 2018
FSC Government Higher Secondary School Harno Abbottabad

● LANGUAGE SKILLS

Mother tongue(s): **URDU** | **HINDKO**

Other language(s): **ENGLISH**

● SKILLS

Network concepts knowledge (NAT, DNS, DHCP, Firewall rules)

Operating Systems & Administration

Linux (Ubuntu, Window) Administration | Shell Scripting (Bash)

Cloud Platforms

Amazon Web Services (AWS): EC2, S3, IAM, VPC, RDS, CloudWatch, Lambda

Containerization & Orchestration

Docker: Container creation, image management, Docker Compose | Kubernetes: Deployment, Helm, Services, ConfigMaps, Secrets

Infrastructure as Code (IaC)

Terraform | AWS CloudFormation | Ansible (Configuration Management & Automation)

CI/CD & Automation

GitLab CI, GitHub Actions | Webhooks, Build/Deploy pipelines

Monitoring & Logging

Prometheus, Grafana | ELK Stack (Elasticsearch, Logstash, Kibana)

Scripting & Programming

Python (Scripting, automation tools, API integration) | Bash (Automation scripts, cron jobs)

Version Control & Collaboration

Git, GitHub, GitLab, Bitbucket | Branching, Merge Requests, GitOps principles

Network Protocols

TCP/IP, HTTP/S, SSH, FTP, ICMP, DNS, DHCP

Load Balancing & DNS

AWS ELB/ALB, NGINX, HAProxy, Route 53, CoreDNS

● PROJECTS

2023 – 2024

Application Classification Using Deep Packet Inspection

This project focuses on classifying applications through Deep Packet Inspection (DPI). By examining network traffic at a detailed level, the system categorizes applications based on their data patterns and behaviors. The results are then visualized using the ELK stack (Elasticsearch, Logstash, Kibana), providing comprehensive insights and real-time monitoring capabilities. My responsibilities include configuring DPI tools for accurate classification, setting up the ELK stack for effective data visualization, and ensuring seamless integration for actionable insights.

● HONOURS AND AWARDS

15/07/2023

Certificate of Participation - Ubuntu, DDPK, NDPI, ELK Workshop – University of Engineering and Technology, Taxila

Successfully completed a comprehensive 3-day workshop focused on Ubuntu, Data Plane Development Kit (DPDK), Network Deep Packet Inspection (NDPI), and the ELK stack. The workshop provided hands-on experience with these powerful tools and frameworks, enhancing skills in networking, data analysis, and system optimization.

Link <https://shorturl.at/tUUNG>

CREATIVE WORKS

CURRENT

Contributing to MPhil Research: Application Classification and Identification Using Machine Learning

Actively involved in an MPhil research project focused on the classification and identification of applications using machine learning techniques. My contributions include developing and fine-tuning machine learning models, analyzing large datasets, and applying advanced algorithms to improve the accuracy and efficiency of the classification process. This work not only advances academic research but also has practical implications in enhancing application security and network management.

RECOMMENDATIONS

Dr. Asim Shahzad Assistant Professor

Asim Shahzad has been an influential faculty member in the Computer Science department at Abbottabad University of Science and Technology. Expert in Machine Learning and Classification.

Email asimshahzad@aust.edu.pk

Dr Muhammad Zeeshan Assistant Professor

Dr. Muhammad Zeeshan has been a significant mentor and academic guide throughout my time at Abbottabad University of Science and Technology. His expertise in cyber security and his supportive guidance have greatly influenced my academic and professional development. Dr. Zeeshan can provide valuable insights into my skills, work ethic, and contributions to various projects and research.

Email zeeshan@aust.edu.pk | Phone (+92) 3145216133

Dr. Gohar Zaman Assistant Professor

PhD in Data Science. Specializes in advanced data analysis techniques and statistical modeling

Email goharzaman@aust.edu.pk

Thank you for considering my application. I am genuinely enthusiastic about the opportunity to bring my expertise in DevOps, cloud infrastructure, and automation to your team. I am confident that my technical skill set, combined with a proactive and solution-oriented mindset, aligns well with your organization's goals. I look forward to the opportunity to further discuss how I can contribute to your continued success and drive meaningful impact within your DevOps initiatives.