

# WASEEM RAZA KHAN

## Staff Infrastructure & Automation Engineer

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### SUMMARY

Infrastructure and Automation Engineer with expertise in cloud-native technologies and CI/CD pipelines. Experienced in designing, building, and operating distributed systems using Docker, Kubernetes, and Linux. Currently pursuing an MSc in Data Science, bringing a unique perspective to AI/ML pipeline testing and optimization. Passionate about Infrastructure as Code, reliability engineering, and mentoring teams on cloud best practices.

### KEY SKILLS

Cloud & Infrastructure:	Docker (Containerization), Kubernetes, Linux/UNIX Administration, AWS (Fundamentals), Infrastructure as Code
CI/CD & DevOps:	GitHub Actions, Jenkins, GitLab CI, Pipeline Automation, Deployment Pipelines
Languages & Scripting:	Python (Advanced), Bash/Shell Scripting, JavaScript/TypeScript
Distributed Systems:	Microservices Architecture, API Design & Testing, High-Availability Systems, Performance Engineering
AI/ML Operations:	Model Evaluation, Data Validation Pipelines, GPU Resource Monitoring, ML Pipeline Testing
Databases & Tools:	PostgreSQL, SQL, Git, Postman, Jira, Agile/Scrum

### PROFESSIONAL EXPERIENCE

#### Archopinion | London, UK

##### AI Quality Engineer / ML Infrastructure

Jan 2024 – Present | Part-Time

*Building and maintaining infrastructure for AI-driven document analysis platform.*

- Infrastructure as Code:** Designed and implemented CI/CD pipelines for automated model deployment, ensuring only validated models reach production.
- Container Management:** Managed Docker containers for model inference, optimizing resource allocation and ensuring system stability under GPU-intensive workloads.
- Python Automation:** Developed Python scripts to automate data validation pipelines, monitoring large datasets for integrity and consistency.
- Performance Testing:** Conducted comprehensive performance testing to ensure the AI system remained stable under high-concurrency loads.
- Cross-functional Collaboration:** Worked with Data Scientists and DevOps teams to define testability standards and deployment strategies.

#### AI Yamama Company | NEOM (The LINE) | Saudi Arabia

##### Senior Software Engineer (Backend & Systems)

Jan 2023 – Jan 2024 | Full-Time

*Focused on reliability of distributed tracking systems across enterprise infrastructure.*

- Distributed Systems:** Validated and maintained a distributed RFID tracking system across multiple physical sites, ensuring high availability and data consistency.

- **Linux Administration:** Managed Linux-based production servers, implementing Bash scripts for automated health checks, log rotation, and system monitoring.
- **API & Database QA:** Built automated API tests verifying secure data transmission between nodes and cloud, ensuring data privacy and integrity.
- **Performance Engineering:** Optimized PostgreSQL queries and backend logic to handle high-concurrency data streams with sub-second response times.

## **Amigo Software | Lahore, Pakistan**

QA Automation Engineer

Oct 2020 – Dec 2023 | Full-Time

*Core infrastructure QA for real-time web communication platform.*

- **Test Automation Frameworks:** Developed automated test suites for Rainbow Classroom, a high-availability communication platform.
- **Pipeline Management:** Enforced quality gates in CI/CD release processes, reducing production defects by systematic testing.
- **Root Cause Analysis:** Investigated complex distributed system failures using logs and monitoring tools to isolate issues.

## **Eyecix Solutions | Lahore, Pakistan**

Frontend Developer / Infrastructure Support

July 2019 – Oct 2020 | Full-Time

- **Full-Stack Foundation:** Developed responsive web applications using HTML, CSS, JavaScript, gaining foundational understanding of deployment workflows.
- **Development Environment:** Set up and maintained local development environments, learning containerization and version control best practices.

## **EDUCATION**

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### **MSc Data Science & Analytics (Advanced Research)**

University of Hertfordshire | Hertfordshire, UK

2024 – December 2025

GPA: 3.57 | Focus: ML Pipeline Optimization, Data Validation, AI/ML Infrastructure

### **Bachelor of Science (Computer Science)**

The Islamia University of Bahawalpur | Bahawalpur, PK

2015 – 2019

GPA: 3.3/4.0 | Distributed Systems, Database Management, Software Engineering

## **ADDITIONAL INFORMATION**

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- Available Immediately | Full Right to Work in UK
- GitHub & HuggingFace portfolio available upon request