

# Muhammad Ameer Hamza

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🔗 LinkedIn: [LinkedIn Profile](#) | 🐙 GitHub: [GitHub Profile](#) |  
📁 Portfolio: [Link](#)

## Summary

Passionate DevOps Engineer with expertise in cloud automation, infrastructure deployment, and CI/CD pipelines, specializing in Microsoft Azure, Kubernetes, and container orchestration. Skilled in automating infrastructure using Terraform and Azure DevOps, optimizing workflows, and ensuring seamless deployments. Experienced in managing microservices, monitoring system performance, and troubleshooting complex environments to enhance scalability and reliability. Adept at implementing Infrastructure as Code (IaC) to streamline provisioning and improve operational efficiency

## Experience

ITM DevOps Training Program (Systems Limited)

Aug 2024–March 2025

- Deployed and managed containerized applications using Kubernetes, ensuring high availability and scalability.
- Provisioned and maintained Azure Virtual Machines, optimizing performance and cost-efficiency.
- Developed and deployed Docker images to streamline application development and deployment processes
- Implemented Terraform scripts to automate infrastructure provisioning, enhancing consistency and reducing manual errors.

Associate Django Developer (Tintosh Technologies)

Jan 2024–Aug 2024

- Built 3+ Django applications using class-based views, enhancing data management efficiency by 25%.
- Deployed 5+ Django applications on Heroku, maintaining 99.9% uptime and ensuring reliable user access.
- Integrated email notification systems, reducing user response time by 30% and streamlining communication workflows.
- Optimized database queries and implement CRUD operations, cutting query execution time by 40% and boosting application performance.

Junior Django Developer (Skill Evokers)

Aug 2023 – Dec 2023

- Contributed to 4+ Django projects, reducing development time by 20% through efficient debugging and problem-solving.
- Used Git for version control, improving team collaboration and reducing code conflicts by 15%.
- Integrated pandas for data processing, reducing data analysis time by 35% and improving reporting accuracy.
- Assisted in building 2+ Django applications, enhancing user experience and functionality based on client feedback.

## Projects

Microservices-Based Voting Application Deployment | [GitHub](#)

- Developed a scalable voting application using microservices architecture, enhancing system modularity and maintainability.
- Containerized services with Docker and orchestrated deployment using Kubernetes, ensuring efficient resource management and scalability.
- Implemented CI/CD pipelines with Azure Pipelines, automating build, test, and deployment processes for rapid and reliable releases.
- Designed comprehensive health checks and monitoring solutions to ensure high availability and resilience of the application.

Automated Azure Infrastructure Deployment with Terraform | [GitHub](#)

- Developed a modular Terraform-based solution to provision and manage Azure resources, ensuring automation and scalability.
- Implemented secure state management and optimized resource configurations for efficient cloud operations.
- Troubleshoot deployment challenges, enforced best practices in Infrastructure as Code (IaC), and improved maintainability.

Develop Ecommerce Website / [GitHub](#)

- Optimized a comprehensive e-commerce platform with a secure cart system, seamless checkout process, and middleware-based user authentication, ensuring a dynamic and secure user experience.
- Implemented a customizable Jazmin admin panel for efficient product management and order tracking, enhancing administrative control and backend usability.

Wulfgang Camera Website Build / [Website Link](#)

- Built a dynamic camera sales website using Django, leveraging class-based views, Django authentication, and Jinja templating for efficient content management and scalable performance.
- Enhanced security and responsiveness by implementing robust authentication systems and optimizing PostgreSQL database queries.
- Deployed the website on Heroku and managed version control using Git, showcasing expertise in deployment and maintenance.

## Education

<b>Beaconhouse National University</b> <i>IT Training Program (Systems Limited)</i>	Session 2024-2025
<b>Islamia University</b> <i>Bachelor of Science in Computer Science</i>	Session 2019-2023

## Skills

**Technical Skills:** Terraform, Kubernetes, Docker, Azure Cloud, Azure DevOps, CI/CD Pipelines, Bash Scripting, Git, GitHub, Load Balancers

**Software Development:** Python, Django, Django Rest Framework (DRF), RESTful APIs, Postman, PostgreSQL, MongoDB, SQLite, SQL, Agile, Testing, Debugging

**Soft Skills:** Problem-Solving, Communication & Collaboration, Adaptability & Quick Learning, Creativity & Critical Thinking