






# Muhammad Ali Ahmed

## DevOps Engineer

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### PROFILE

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Experienced DevOps Engineer with a strong background in deploying and managing Python (Django, Flask), MERN stack, and PHP (Laravel) applications. Proficient in leveraging cloud platforms such as AWS and CPanel, and skilled in implementing Continuous Integration and Continuous Deployment (CI/CD) pipelines. Adept at using shell scripting, BASH, Docker, and virtualization to streamline development processes. Experienced with automation tools like Ansible, and committed to providing technical support to development teams. Proven track record of enhancing operational efficiency and reducing deployment times through robust infrastructure and process automation.

### PROFESSIONAL EXPERIENCE

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#### Internee DevOps Engineer at Beyond Eris Solutions

May 2023 – Aug 2023

AWS | Shell | linux | python | Docker

Lahore

As a DevOps internee, I gained valuable experience contributing to the optimization of software deployment processes. Working closely with the Development team, I honed my skills in Docker, AWS, Linux, and shell scripting, assisting in tasks aimed at enhancing efficiency and reliability.

#### DevOps Engineer at Beyond Eris Solutions

Aug 2023 – present

AWS | Shell | Linux | Docker

Lahore

As an Associate DevOps Engineer, I specialize in Docker, AWS, Linux, and shell scripting to improve software deployment. I collaborate across teams, manage cloud systems, automate tasks, and set up CI/CD pipelines. I've cut deployment time by 30%, moved old apps to AWS, and reduced manual work by 40%.

### SKILLS

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Cloud | AWS | Cpanel | Agile | SDLC | Linux | Ubuntu | Centos | Bash scripting |  
Containerization | Docker | Docker compose | Python | Django | Git | CI/CD | Jenkins |  
Github actions | Bitbucket pipelines | Ansible | Virtualization | Vagrant | Microservices | Automation |  
Troubleshooting | Networking | Collaboration

### PROJECTS

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#### ERP Accounting System

- Led DevOps implementation for an ERP accounting system.
- Created a seamless CI/CD pipeline, deploying on Amazon EC2 instances.
- Integrated AWS services including S3. Automated backups and ensured security.
- Collaborated with teams, optimized performance, and documented processes.
- Enhanced ERP reliability and efficiency through successful AWS deployment and DevOps strategies.

## AI - Chat Bot Application

- Managed the DevOps processes for an AI chatbot that utilized ChatGPT APIs with a Python Django backend and React frontend.
- Implemented version control using Git and Bitbucket, and automated CI/CD pipelines with Bitbucket Pipelines.
- Deployed and maintained the application on AWS EC2 instances with S3 for storage, ensuring robust staging and production environments.
- Enhanced system performance through automated infrastructure management, monitoring, and logging, while ensuring security.
- This project demonstrated the effective application of DevOps practices to support the development and deployment of AI technologies.

## Nynx - Freelancing Platform

- Managed version control using Git and Bitbucket, and configured Bitbucket Pipelines for CI/CD automation.
- Deployed and maintained the application on AWS EC2 instances with S3 for storage, ensuring robust staging and production environments.
- Enhanced system performance and reliability through automated infrastructure management, monitoring, and logging, while adhering to best practices and standards.
- Achieved significant reductions in deployment time and improved overall code quality and collaboration.

## HR Management System

- Led DevOps for HR System.
- Created CI/CD on Amazon EC2.
- Integrated S3 for smooth data handling.
- Automated backups, and enforced security.
- Teamed up, boosted performance, and documented workflows.
- Elevated HR system using AWS and DevOps.

## WTR - Article publishing site

- Led DevOps for an article publishing platform using AWS EC2, S3, GitHub, and GitHub Actions.
- Expertise includes optimizing CI/CD pipelines for efficient content deployment.
- Facilitate seamless collaboration between development and content teams, ensuring platform stability and scalability.

## EDUCATION

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### BS Computer Science

Virtual University of Pakistan

2023 – present

### Intermediate in Computer Science

Aspire College Lahore

2020 – 2022

## CERTIFICATES

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Introduction to Software Engineering [🔗](#) | AWS Cloud Practitioner Essentials [🔗](#) |

Introduction to DevOps [🔗](#) | Python for Everybody Specialization [🔗](#) |

Introduction to Agile Development and Scrum [🔗](#) |

Hands-on Introduction to Linux Commands and Shell Scripting [🔗](#) | Introduction to Docker [🔗](#) |

Technical Support Fundamentals [🔗](#)