

# Muhammad Aitisam Ahmed

## Devops Engineer

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### EDUCATION

#### Bachelor of Science in Computer Science (BSCS)

Air University, Islamabad

Sep 2023 - April 2027

### TECHNICAL SKILLS

**Programming Languages:** Python, Bash, C#, JavaScript, SQL, Node js

**Clouds:** Amazon Web Services (EC2, Lambda , S3, VPC, Route 53, Elastic Load Balancing, IAM, Code Pipeline )

**Technologies/Tools:** Linux, Jenkins, GitHub, Bit bucket, Docker, Kubernetes

**Security Tooling:** Nmap, Metasploit, Nessus

### WORK EXPERIENCE

#### .NET Developer Intern

Air University, Islamabad

July 2024 - August 2024

- Developed and deployed scalable web application using .NET Core, Blazer and SQLite, enhancing performance and user experience
- Designed and implemented efficient database architectures, leveraging Entity Framework Core for seamless data management.
- RESTFUL API has been designed to facilitate smooth and responsive web applications, ensuring cross-platform compatibility.
- Enhanced proficiency in C Sharp, .NET Core and Blazer contributing to the development of robust and scalable solutions

#### DevOps Intern —

Bitewise Company

June 2024 - September 2024

- Gaining hands-on experience with Linux, Jenkins, Docker, Jenkins to build and manage scalable infrastructure.
- Creating and managing CI/CD pipelines for automated software deployment and efficient workflow execution.
- Working on a DevOps project involving cloud automation, containerization, and system security.

### PROJECTS

- **Full Stack Web Application Deployment in full stack on AWS**
  - Deployed full-stack web applications on AWS EC2 instances with Auto Scaling Groups and Elastic Load Balancer, ensuring high availability and improved performance
  - Configured CI/CD pipelines for automated deployment, streamlining deployment workflow and reducing deployment time.
- **Student Management System using .NET**
  - Designed and deployed a comprehensive student management system with role-based access control, allowing students, teachers, and administrators to manage courses, attendance, and performance tracking efficiently.
  - Implemented ASP.NET Core and Blazer Server, integrating SQL Server and scalable database management.
- **Point of Sale (POS)**
  - We are working on a modern POS system for Air University that enables efficient transaction processing, inventory tracking, and sales management.
  - Utilizing ASP.NET Core, Blazer Server, and SQLite to build a scalable and secure Backend infrastructure.
  - Designing a responsive and user-friendly interface for seamless use on desktops and mobile devices.
  - Implementing role-based authentication and authorization, ensuring secure access for students, staff, and administrators.
- **JENKINS for Complete CI/CD**
  - Configured Jenkins server automating .NET application builds, slashing deployment time by 50% and reducing manual intervention by 60
  - Established a CI pipeline minimizing build times by 40% and increasing deployment frequency by 50