

# Muhammad Bilal

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Gujrat, Pakistan

## PROFESSIONAL SUMMARY

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Experienced DevOps Engineer with a focus on managing remote servers in Linux environments and leveraging tools like Docker, Kubernetes, Jenkins, CircleCI, and Ansible to streamline CI/CD pipelines, automation, and container orchestration. Skilled in implementing DevOps best practices to enhance system efficiency, reliability, and scalability. Expertise in cloud platforms and infrastructure as code (IaC) tools like Terraform, as well as collaborating with cross-functional teams to drive continuous improvement. In addition to my DevOps expertise, I bring a strong background in software development, proficient in ASP.NET MVC, C#, Entity Framework, HTML/CSS/JavaScript, and ASP.NET Web API. Seeking to advance within an international company to further develop my DevOps and software development skills, contributing to impactful global solutions.

## WORK EXPERIENCE

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### DevOps Engineer

Jun 2024 - Present

OpsOura • Islamabad, Pakistan

- Configured and deployed Jenkins for continuous integration and delivery, incorporating container scanning with Trivy and utilizing Anchore and Snyk for comprehensive security analysis.
- Integrated Azure DevOps with Azure Portal, managing resource identities and ensuring secure connections for seamless and secure CI/CD workflows.
- Deployed Jenkins for CI/CD, integrating Trivy for container scanning and using Anchore and Snyk for security analysis.
- Integrated Azure DevOps with Azure Portal, managing resource identities for secure CI/CD workflows.
- Automated CI/CD pipelines in GitLab for build, test, and deployment across multiple projects.
- Managed containerized applications with Docker and Kubernetes, ensuring high availability.
- Used Terraform for Infrastructure as Code (IaC), automating resource deployment and integration with Kubernetes.
- Automated infrastructure provisioning with Ansible, enhancing consistency and reducing manual efforts.
- Implemented secure VM environments with SSH login and password policies to prevent unauthorized access.
- Managed source code with GitHub/GitLab, ensuring collaboration through code reviews and pull requests.
- Set up monitoring with Prometheus and Grafana for system reliability and issue detection.
- Maintained private Docker and Harbor registries for container image management and security.
- As Azure Administrator Associate, managed resources using ARM, Azure Monitor, and Azure AD; automated deployments with Terraform, and ensured security via Azure Key Vault, RBAC, and compliance with Azure Backup and Security Center. Additionally, managed Kubernetes

clusters, deployed databases (Azure SQL, MySQL, PostgreSQL) within Kubernetes, optimized performance, and ensured secure, scalable, and high-availability configurations.

### **.NET Developer**

Nov 2023 - May 2024

The GenX • Gujrat

- Developing and maintaining web applications using ASP.NET Core, .NET 6/7, and related technologies.
- Utilizing HTML, CSS, JavaScript, and modern front-end frameworks such as Blazor or React.
- Managing version control and project collaboration using Git, GitHub, and Azure Repos.
- Implementing CI/CD pipelines using Azure DevOps, GitHub Actions, or Jenkins for .NET applications.
- Leveraging Docker for containerization of .NET applications and Kubernetes for orchestration.
- Working with Entity Framework Core for database integration and LINQ for efficient querying.
- Utilizing modern testing frameworks like xUnit, MSTest, and NUnit for unit testing.
- Integrating tools like Swagger for API documentation, Postman for API testing, and Visual Studio for comprehensive development.

### **Asp.Net Developer**

Sep 2021 - Sep 2023

Softpins • Gujrat, Pakistan

- Developed and maintained ERP system modules using ASP.NET and SQL Server.
- Implemented business logic and database integration.
- Collaborated with team members to ensure project milestones and deadlines were met.

## **EDUCATION**

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### **Bachelor In Computer Science**

Jun 2017 - Jun 2021

Virtual University Of Pakiatan • Gujrat, Pakistan

Bachelor of Science - BS, Computer and Information Sciences and Support Services

## **SKILLS**

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### **Skills**

- **DevOps Tools & Practices:** Docker, Kubernetes, Jenkins, CircleCI, Ansible, CI/CD Pipeline Development, Terraform, Prometheus, Grafana, Datadog, ELK Stack (ElasticSearch, Logstash, Kibana).
- **Cloud Computing:** Microsoft Azure (Storage Accounts, DNS Zones, Databases, Functions, Load Balancers, Azure CLI), **Azure Administrator Associate** (Roles: Managing Azure resources, monitoring, security, networking, identity, governance, and cost management).
- **Version Control:** Git, GitHub, GitLab.
- **Linux:** Command Line Usage, Basic Linux System Administration.
- **Programming & Scripting Languages:** Bash, HTML, CSS, JavaScript.
- **Monitoring & Observability:** Prometheus, Grafana, Kibana, Datadog.

### **.NET Developer**

- Proficient in **ASP.NET Core MVC** for scalable web application development.
- Skilled in **C#.NET** for object-oriented and asynchronous programming.
- Uses **Entity Framework Core** for database operations and **Microsoft SQL Server** for data management.
- Develops **RESTful APIs** with ASP.NET Web API, documented using **Swagger/OpenAPI**.
- Creates responsive UIs with **HTML/CSS**, **JavaScript**, **jQuery**, and **Blazor**.
- Implements **CI/CD pipelines** with Azure DevOps and designs **microservices** with Docker and Kubernetes.
- Secures applications using **Identity Server** and integrates **SignalR** for real-time communication.
- Performs unit testing with **xUnit** and **MSTest** and optimizes projects using **.NET 6/7**.

## AWARDS AND HONOURS

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Microsoft Certified: Azure Administrator Associate

2024

Microsoft Certified: Azure Administrator Associate

## LANGUAGES

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English Urdu