

# Muhammad Hassan Javed

## DevOps Engineer

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🌐 Personal Website [in](#) LinkedIn [●●](#) Medium [🔄](#) GitHub

### PROFILE

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Certified Cloud DevOps Engineer with expertise in deploying and managing scalable and reliable cloud infrastructure. Utilizing tools like [AWS](#), [Terraform](#), [Jenkins](#), [Ansible](#), and [Docker](#) to automate processes and optimize system performance while consistently delivering high-quality projects aligned with strategic business objectives.

### PROFESSIONAL EXPERIENCE

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| Feb 2024 – present<br>Chicago, United States  <br>(Remote)    | <b>DevOps Engineer</b><br><i>Solutions Ally</i> <a href="#">🌐</a> <ul style="list-style-type: none"><li>- Implemented CI/CD pipelines using <a href="#">Jenkins</a> and <a href="#">GitHub</a>, automating deployment processes and reducing deployment times by 40%, improving cloud scalability and efficiency.</li><li>- Migrated legacy systems to AWS, utilizing <a href="#">Terraform</a> for infrastructure as code, enhancing system performance by 30% and integrating automated testing, thereby cutting production bugs by 25%.</li><li>- Developed and managed containerized applications using <a href="#">Docker</a> and <a href="#">Kubernetes</a>, streamlining application deployment and scaling, leading to a 50% increase in reliability.</li><li>- Automated configuration management and server provisioning with <a href="#">Ansible</a>, reducing manual intervention by 60% and ensuring consistent and repeatable system configurations across development and production environments.</li><li>- Designed and implemented monitoring and logging solutions with <a href="#">AWS</a>, <a href="#">CloudWatch</a> and <a href="#">Prometheus</a>, improving system observability and reducing incident response times by 35%.</li></ul>   |
| Jan 2023 – Jun 2023<br>Toba Tek Singh,<br>Pakistan   (Hybrid) | <b>Full Stack Designer and Developer (Intern)</b><br><i>Step Right</i> <a href="#">🌐</a> <ul style="list-style-type: none"><li>- Assisted in developing and launching five web applications, contributing to improved client digital <a href="#">interfaces and user experience</a>. Participated in the entire development lifecycle, from initial planning to deployment.</li><li>- Implemented responsive design techniques, reducing load time by 35% and enhancing website performance across various devices. Ensured consistent and optimal user experience on <a href="#">mobile, tablet, and desktop</a> platforms.</li><li>- <a href="#">Collaborated</a> with the development team to gather requirements and create customized web solutions, increasing <a href="#">client satisfaction</a>. Engaged in regular <a href="#">team meetings</a> to discuss project progress and address any challenges.</li><li>- Utilized <a href="#">React and Angular</a> to develop front-end components, enhancing user interactivity and engagement. Worked on optimizing code for better performance and maintainability.</li><li>- Supported back-end development with <a href="#">Python and SQL</a>, improving data retrieval speeds and ensuring smooth integration with front-end functionalities. Assisted in database design and <a href="#">troubleshooting issues</a> during development.</li></ul> |

## SKILLS

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- AWS
- Docker
- Linux
- Git
- Kubernetes
- Bash
- GitHub
- Terraform
- JavaScript
- Jenkins
- Ansible
- Python

## PROJECTS

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### Serverless 3-Tier CRUD Application

- Developed and managed a 3-tier AWS Serverless application for efficient student data management, utilizing [AWS Lambda](#), [API Gateway](#), and [DynamoDB](#).
- Engineered a JavaScript-based user interface hosted on [AWS S3](#) for enhanced user interaction.

### AWS Infrastructure Automation with Terraform

- Orchestrated AWS infrastructure setup using Terraform, configuring [VPCs](#), [EC2 instances](#), [NAT gateways](#), and [load balancers](#).
- Successfully deployed and managed an [Apache web server](#) on a secure private instance.

### Jenkins CI/CD Pipeline to Automate Deployment

- Established a CI/CD pipeline to automate deployment from [GitHub to Jenkins](#), enhancing software and infrastructure deployment efficiency.
- Automated updates and deployments using custom webhook triggers between [GitHub and Jenkins](#).

### Ansible-Driven Containerized Nginx Server Management

- Utilized [Ansible and Docker](#) to deploy and manage a containerized [Nginx server](#) across multiple nodes.
- Automated WordPress site deployment and implemented routine maintenance via [cron jobs](#) to optimize operations.

### Custom Deployment of Django Application

- Designed and deployed a Django-based web application for multi-currency payment processing on an [AWS EC2 instance](#).
- Customized server configurations to enhance application performance and security, aligning with [best practices](#) in cloud deployment.

### Dockerized ASP.Net Core Application

- Constructed a [two-tier](#) admin panel using ASP.Net Core, optimized for high performance and scalability, and containerized using Docker.
- Integrated application logic with an [SQL database](#) using the [MVC paradigm](#), ensuring efficient data manipulation and consistency across user interactions.

### Static Web Hosting on AWS

- Led a creative team to design and develop a [static art gallery](#) website, applying color theory to enhance aesthetic appeal and user engagement.
- Managed the project through all phases of the [software development lifecycle](#), delivering a high-quality, static website hosted on [AWS S3](#).

## CERTIFICATIONS

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### Associate Cloud Engineer [↗](#)

Google

### GitHub Foundations [↗](#)

GitHub

### Cloud Computing Foundations [↗](#)

Google

### AI Engineer Associate [↗](#)

Microsoft

### Cybersecurity Essentials [↗](#)

Cisco

### Responsive Web Design [↗](#)

freeCodeCamp

## EDUCATION

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Jul 2023 – Feb 2024

Lahore, Pakistan

### DevOps and Serverless

ITM by Systems Limited [↗](#)

- Gained specialized training and practical experience in Core Computer Science Courses, along with an in-depth focus on DevOps and Serverless technologies, facilitated by one of Pakistan's top IT companies

Sep 2019 – Sep 2024

Faisalabad, Pakistan

### Bachelors

GC University [↗](#)

- Acquired a robust foundation in theoretical and applied physics, complemented by a comprehensive set of soft skills, including critical thinking, problem-solving, and effective communication

## AWARDS

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### ITM [↗](#)

Systems Limited

- Top Performance Award

### Excellence

Step Right

- Exceptional Contribution Award

## INTERESTS

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DevOps Engineering

Cloud Computing

Artificial Intelligence

Business Development

Blockchain Engineering

## COURSES

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### AI Skills Challenge

Microsoft Learn

### Azure Fundamentals

Microsoft Learn

### Cloud Seekho

Google Cloud Skills Boost

### Android Seekho

Google Developers Group

### Website Building

Microsoft Learn

### Full Stack Designer & Developer

Skills Improvement Foundation

## LANGUAGES

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English

Urdu

## PUBLICATIONS

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- 04 Jun 2024      **Deploying Apps to Google Cloud** [↗](#)  
*Medium*
- 05 Oct 2024      **Lip-Reading AI: Innovation or Ethical Dilemma?** [↗](#)  
*Medium*
- 03 Jun 2024      **Building a DevOps Pipeline in GCP** [↗](#)  
*Medium*
- 02 Jun 2024      **Develop Your Google Cloud Network** [↗](#)  
*Medium*
- 30 May 2024      **Implement Cloud Security Fundamentals on Google Cloud** [↗](#)  
*Medium*

## REFERENCES

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**Ahmer Khan**, CTO, Solutions Ally  
ahmerkhan67@gmail.com

**Asfandyar Akbar**, Technical Trainer, Systems Limited  
asfandyarakbar091@gmail.com