



Muhammad Usman

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ABOUT MYSELF

As a DevOps Engineer with a Bachelor's in Information Technology and over 4 years of experience, I specialize in building and managing high-performance digital infrastructures. I have expertise in technologies such as CloudFormation, Digital Ocean, NGINX, Docker, and Cloudflare for optimal performance and security. Additionally, I am proficient in full-stack development using ReactJS and NextJS, with experience in creating responsive interfaces. My projects highlight my commitment to innovation in cloud computing and infrastructure management.

WORK EXPERIENCE

01/01/2024 – 30/06/2024 Sahiwal, Pakistan

SOFTWARE DEVELOPER PUNJAB INFORMATION TECHNOLOGY BOARD, GOVERNMENT OF THE PUNJAB

- Founded and scaled AI Study Abroad Consultants at Regional Plan 9 Incubation Center, transitioning it from startup to established business.
- Led a cross-functional team of developers, designers, and DevOps engineers, fostering collaborative innovation.
- Architected core applications with ReactJS, NextJS, and managed DevOps using CloudFormation and NGINX.
- Implemented a biometric attendance system, improving employee time tracking and operational efficiency.
- Managed deployment across Development, Staging, and Production, ensuring high uptime and performance.

01/05/2020 – 31/05/2024 Cambodia

DEVOPS ENGINEER LNW TECHNOLOGIES, LTD CO.

- Managed extensive WordPress stacks on Webuzo servers, ensuring optimal performance and reliability.
- Oversaw server management across platforms including Digital Ocean, Cloud ways, Hostinger, and AWS.
- Configured and maintained Cloudflare for enhanced site security and performance.
- Implemented SSL certificates for all domains and IP-based servers, ensuring secure connections.
- Developed and maintained strategies to protect against DDoS and other cyber-attacks, bolstering site security.

01/01/2020 – 31/07/2023 Pakistan

DEVOPS ENGINEER PLUTO NETWORKS LLP

- Engineered scalable cloud infrastructures with CloudFormation for efficient application deployment.
- Led DevOps strategy for the Wired Academy project, focusing on CI/CD using Digital Ocean and NGINX.
- Managed front-end and back-end operations, leveraging automation and monitoring to improve system reliability.
- Integrated Stripe Payment Gateway for secure and efficient payment processing in a cloud-native setup.
- Optimized application deployments on Digital Ocean, ensuring high availability and resource efficiency.
- Developed an anti-piracy system to prevent unauthorized access and protect paid content.

EDUCATION AND TRAINING

01/10/2020 – 19/09/2024 Sahiwal , Pakistan

BSIT - BACHELORS OF SCIENCE INFORMATION TECHNOLOGY University of Sahiwal

Address 57000, Sahiwal , Pakistan | **Website** <https://www.uosahiwal.edu.pk/> | **Field of study** Information Technology | **Final grade** 3.59 |

Level in EQF EQF level 6 | **National classification** 6 | **Type of credits** Credit Hours | **Number of credits** 130

09/09/2018 – 22/09/2020 Sahiwal , Pakistan

HIGHER SECONDARY SCHOOL CERTIFICATE Maarifa College for Boys, Sahiwal

Address 57000, Sahiwal , Pakistan | **National classification** 4

Address 57000, Sahiwal , Pakistan | **National classification** 3

PROJECTS

2024

Final Year Project: AI Study Abroad Consultants

The AI Study Abroad Consultant (AISAC) is an AI-powered platform that transforms the study abroad consultancy process by offering personalized recommendations based on students' preferences and academic goals. It simplifies application tracking, consultation scheduling, and program searches while ensuring data security and compliance. By integrating advanced AI and user-friendly tools, AISAC makes international education planning efficient, accessible, and tailored to individual needs.

Tools Used:

- ReactJS
- NextJS
- TailwindUI CSS
- Node.js
- Express
- RESTful APIs
- ClerkJS
- Cloudare
- Ghost CMS
- NGINX
- DevOps Practices
- Scikit-learn
- TensorFlow for AI
- GitHub, Vercel
- CI/CD

Link <https://travelabroad.pk/>

01/02/2023 – 17/04/2023

Learning Management System

- Developed a Learning Management System (LMS) using Python, enabling efficient course management and student engagement.
- Implemented features for content delivery, attendance, quiz, assessments, and user tracking, ensuring a streamlined educational experience.

DIGITAL SKILLS

C++ | Python | HTML | SQL | Nginx | AWS | Web Servers | Cloudflare | Cloud Computing | Docker | PostgreSQL | Firewall | DDOS Protection | Security | Wordpress | Shopify | MERN Stack | Continuous Integration (CI) | Continuous Delivery (CD) | MySQL | CSS | Linux | JSON | JavaScript | REST | Git | MongoDB | Node.js, React.js | BootstrapCSS, TailwindCSS

CERTIFICATIONS

Google CyberSecurity Specialization

Coursera / Google

Link <https://coursera.org/share/0468f95bb41520bcf4bfb7050138374d>

Introduction to Cybersecurity

Cisco

Link https://www.credly.com/badges/caffddfe-b9ce-4e25-8a50-52ad3186db6c/linked_in_profile

Cybersecurity Foundations

LinkedIn

Link <https://www.linkedin.com/learning/certificates/dfa1331a9e7a810d0b0bff490fc5ab3aaa4c8369d525728c900e6ee33bf0fd70>

The Cybersecurity Threat Landscape

LinkedIn

Link <https://www.linkedin.com/learning/certificates/279619dd7b0590c4fab72ac2fec6a664fe9394e12b94c3f224c1dde116cdf1a>

Github Foundation

Github

Link https://www.credly.com/badges/f94ff300-de06-41a0-8374-c4a36ecfe7b8/public_url

Introduction to Cyber Attacks

New York University

Link <https://www.coursera.org/account/accomplishments/certificate/7XBM3DQXJ6L2>

Google IT Support Specialization

Coursera / Google

Link <https://www.coursera.org/account/accomplishments/specialization/certificate/RXMFLHPQ5CND>

Programming with Javascript

Coursera / Meta

Link <https://www.coursera.org/account/accomplishments/certificate/Y2J4RZQ6X3YV>

The Structured Query Language (SQL)

Coursera / University of Colorado Boulder

Link <https://www.coursera.org/account/accomplishments/certificate/D99BHEVCCWKB>

Machine Learning Foundations: A Case Study Approach

Coursera / University of Washington

Link <https://www.coursera.org/account/accomplishments/certificate/SR9DYG6YMS84>

Software Defined Networking

Coursera / University of Chicago

Link <https://www.coursera.org/account/accomplishments/certificate/VXKMEM435S7E>

Python for Data Science, AI & Development

Coursera / IBM

Link https://www.credly.com/badges/e27b497b-325d-423d-a03b-f86ef26b760a/linked_in_profile

Postman API Fundamentals Student Expert

Postman

Plesk Obsidian Professional

Plesk

Link https://www.credly.com/badges/ae2f28fa-b0fe-41a2-8b97-ff7a9f6dd692/linked_in_profile

Data Analytics Essentials

Cisco

Link https://www.credly.com/badges/150f1b0b-ebfb-4304-9d71-c5239b77a16b/linked_in_profile

Career Essentials in Generative AI by Microsoft and LinkedIn

Microsoft

Link <https://www.linkedin.com/learning/certificates/9f33b85fb3a586c8521a866653e7b8a27da6ee957c33b08dc537fa54501c67a3>

Career Essentials in GitHub Professional Certificate

GitHub

Link <https://www.linkedin.com/learning/certificates/62eac3c6651cc15c69f1de5142fcee57461352983f7c92b1ea95827e2c44368f>

Python for Data Science and AI

IBM

Link https://www.credly.com/badges/e27b497b-325d-423d-a03b-f86ef26b760a/linked_in_profile

Python for Data Science, AI & Development

IBM

Link <https://www.coursera.org/account/accomplishments/certificate/NMEUHT9CV88Z>

Front-End Web Development with React

The Hong Kong University of Science and Technology

Link <https://www.coursera.org/account/accomplishments/certificate/3NCCFUZAUCX9>

Certificate of Registration

Pakistan Software Export Board
Ministry of Information Technology & Communication

Link https://app.techdestination.com/verify_certificate/TVBOSi0xMDg0NDQtR0ZUUw==

MANAGEMENT & LEADERSHIP SKILLS

Founder of AI Study Abroad Consultants

- Established a consultancy focused on guiding students for international study opportunities.
- Led a team of **4 members** and **2 interns** at the **Regional Plan 9, Tech Incubation Center**, a prominent tech incubation center for 6 months.
- Oversaw strategic planning, operations, and project management to streamline consultancy services.
- Directed team efforts towards achieving business objectives and expanding client reach.
- Enhanced team's capabilities through mentorship, providing industry insights and support for professional growth.
- Collaborated with incubation center mentors and resources to refine business model and scale services effectively.

Link <https://travelabroad.pk/>

CONFERENCES & SEMINARS

20/12/2023 – 21/12/2023 KICKS, UET

17th INTERNATIONAL CONFERENCE ON OPEN SOURCE SYSTEMS & TECHNOLOGIES 2023

20/11/2023 – 20/11/2023 Expo Center Lahore, Pakistan.

All Punjab Universities Innovation Expo 2023 by Punjab Higher Education Commission

VOLUNTEERING

Green Youth Movement
Volunteer

- Contributed to the **Green Youth Movement** focused on raising awareness about climate change and environmental issues in Pakistan.
- Engaged in activities to promote sustainable practices, including tree planting initiatives and advocacy for environmental accountability.
- Participated in educational programs aimed at empowering communities with knowledge on climate science and sustainable solutions.
- Collaborated on initiatives under the **Green Youth Programme** to drive local and international environmental action, fostering broader perspectives on climate solutions.
- Supported the Green Youth Movement Project's mission to equip youth with skills for impactful community engagement, leveraging competitions and idea platforms to inspire change.

Link <https://www.hec.gov.pk/english/services/students/PMYP/Pages/GYM.aspx>

AlKhidmat Foundation
Volunteer

- Actively supported various community welfare projects, focusing on providing aid to underserved populations.
- Assisted in organizing and distributing essential supplies during relief operations, ensuring timely support for affected communities.
- Participated in awareness campaigns, promoting health, education, and disaster preparedness among vulnerable groups.
- Contributed to fundraising initiatives, helping secure resources for the foundation's ongoing projects.
- Collaborated with team members to plan and execute events aimed at community development and social upliftment.

Link <https://alkhidmat.org/>

Participation in DALDA Foundation Scholarship Program DFS-2024

Certificate of Participation

- Supported the **DFS-2024** initiative to provide scholarships for underprivileged students, assisting with program coordination and outreach.
- Engaged with students and families to inform them about scholarship opportunities, application processes, and eligibility requirements.
- Facilitated workshops and informational sessions to guide applicants through each stage, enhancing accessibility and understanding of the program.
- Assisted in the screening and selection process, collaborating with team members to identify deserving candidates.
- Contributed to community awareness efforts, promoting educational equity and the importance of scholarship programs for empowering students.

Link <https://daldafoundation.pk/>