


AZEEM SARWAR

Software ~ Engineer

 portfolio.com

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Nordhausen, Germany



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SUMMARY

Motivated and detail-oriented Master's student in Internet of Things (IoT) with a strong foundation in software development, testing frameworks, and automation scripts. Experienced in Python, Bash, and system optimization, with hands-on exposure to Kubernetes. Excited to contribute to E.ON's mission of shaping the future of energy.

SKILLS

Languages:

Python, Bash, JavaScript, Typescripts, C++, c#

Frontend:

React Native, React.js, Vue.js, Tailwind CSS, Bootstrap CSS, shopify.

Backend:

Express.js, Node.js, NestJs, AWS, MongoDB.

Databases:

SQL, firestore, Firebase DB, MongoDB.

Cloud Tech:

Aws, kubernetes, docker, Digital Ocean, Firebase

PROJECTS

Python, Bash

Automated Testing Framework

Developed an automated testing framework to validate system reliability and reduce testing time by 40%. And also Integrated with CI/CD pipelines for continuous deployment.

Kubernetes, Docker

System Optimization for Cloud Applications

A comprehensive salon management system with a mobile app for booking appointments, managing services, and integrating payments through Stripe. It allows salon owners to manage bookings and payments efficiently.

MERN STACK

Safar

A hostel and hotel booking app with a property listing interface, availability checking, and admin dashboard for managing bookings. It features real-time updates and payment processing.

MERN STACK

File-Sharing Mobile App

A secure mobile app for video sharing, offering file storage, user authentication with Firebase, and payments for content creators. The app ensures ease of file uploads and secure sharing.

EDUCATION

10/2024 - curr.

Master Computer Engineering (IoT)

Nordhausen University of applied sciences.

Pursuing a Master's in Internet of Things (IoT), focusing on the development of smart devices, sensor networks, cloud-based systems, and data analytics for innovative IoT applications.

10/2018 - 06/2024

Bachelors in Software engineering

Pir Mehar Ali Shah Arid Agriculture Rawalpindi

Graduated with a Bachelor's degree in Software Engineering from Arid Agriculture University, Rawalpindi, with a CGPA of 1.1 / 5.0, specializing in Software engineering.

EXPERIENCE

03/22-09/24

Full-Stack developer

Mid-Chain technologies

- Developed and implemented responsive web applications using React.js, Next.js, and modern UI libraries such as Material UI and Tailwind CSS.
- Developed secure and scalable backend systems using Node.js, Express.js, and Next.js API routes to ensure seamless functionality.
- Managed and optimized MongoDB, Firebase, and DynamoDB databases, improving query efficiency by 20%.
- Developed and deployed cloud-native applications on AWS services using Lambda, API Gateway, S3, and Cognito for scalability and performance.
- Deployed mobile applications using React Native, including features such as push notifications, real-time chat, and payment gateways such as Stripe.
- Improved code quality through extensive unit and integration testing using tools such as Jest and Postman.
- Reduced application load times by 30% through code optimization and refactoring of backend services.

6/22-10/22

Mobile Application Intern

AF-Suqure

- Developed cross-platform mobile applications using React Native that ensured high performance and responsiveness.
- Integrated third-party APIs like Google Maps API and Firebase to extend the apps' functionalities.
- Implemented push notifications and real-time chat features for seamless user interaction.
- Participated in the entire app development cycle, from conception to deployment, and contributed to the team's goals.
- Performed unit testing and debugging to ensure the quality of the applications and reduce crash rate by 15%.
- Delivered apps that improved customer satisfaction and retention and received positive feedback for usability.

LANGUAGES

English - Professional, **German** - basic, **Urdu** - Mother tongue

HOBBIES

Multiplayer games , **Cirket** , **Fitness**, **Traveling**