JAWWAD AZAM

Software Engineer

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• https://github.com/jawwadazam • Kiel

Summary

Results-driven software development professional with 9 years of experience in software engineering and cloud computing. Skilled in modern web technologies and AWS services, with a strong track record of optimizing system performance and enhancing cloud architecture. Key achievements include improving application performance by 30% during a database migration and leading a cloud server transition to strengthen system scalability and efficiency. Seeking an opportunity to leverage software development and cloud expertise in building innovative, high-performance solutions.

Experience

Immosolve GmbH — Bad Bramstedt, Germany
Cloud Engineer — 01/2022 - 02/2025

- Engineered and deployed over 10 scalable microservices as AWS Lambda functions using NodeJS, TypeScript and AWS CDK, enhancing application performance and reducing server response times by 40% across multiple platform.
- Designed and implemented RESTful APIs to facilitate seamless front-end and back-end communication using Vue.js and TypeScript, utilizing a Test-Driven Development (TDD) approach in an Agile environment.
- Improved application performance by 25% through code refactoring, optimized algorithm design, and efficient utilization of AWS services.
- Managed data storage and retrieval systems leveraging AWS cloud infrastructure, DynamoDB and AWS Lambda functions.
- Conducted unit testing to ensure code quality and reliability throughout the development lifecycle.

INGravure GmbH — Kiel, Germany
Digitalization Engineer — 12/2020 - 12/2021

- Spearheaded the migration of on-premise servers to AWS cloud, ECS and Docker, transitioning a monolithic application to a SaaS-oriented architecture.
- Designed, developed, and maintained a CRM's database and application software using Python, C#, PHP, VB.NET, and SQL, ensuring high performance and reliability.
- Integrated front-end and back-end systems using Vue.js and MongoDB, enabling seamless API development and cohesive solution delivery.
- Optimized server performance by configuring and fine-tuning Nginx for load balancing and server management.
- Created comprehensive technical documentation to support maintenance teams and ensure long-term system usability.

ComfNET Solution GmbH — Kiel, Germany
Systems Analyst — 08/2018 - 07/2020

- Achieved 99.9% uptime during Oracle migration by implementing Oracle form replicas, ensuring uninterrupted sales operations for over a year.
- Contributed to all phases of the software development lifecycle, from requirements gathering to solution delivery.
- Deployed and maintained Active Directory and Exchange servers, ensuring seamless user access and communication.
- Performed server maintenance tasks, including OS installation, monitoring, troubleshooting, patch deployment, and upgrades.
- Optimized IT asset management, saving over €100K through effective resource tracking and allocation.

Ebryx Pvt. Ltd — Lahore, Pakistan
Software Engineer — 03/2015 - 03/2017

- Migrated database systems from MySQL to PostgreSQL, optimizing queries and improving application performance by 30%.
- Enhanced malicious content detection accuracy by 60% through the implementation of Yara rules and machine learning algorithms.
- Collaborated with cross-functional teams to troubleshoot and resolve technical issues, demonstrating strong problem-solving skills.

Education

Fachhochschule Kiel Germany — Germany
Master's Information Engineering — 03/2017 - 03/2023

University of Engineering and Technology Taxila — Taxila, Pakistan
BS Computer Engineering — 11/2010 - 07/2014

Languages

Urdu Native   English Proficient (C1)   German Intermediate (B1)

Skills

JavaScript · Typescript · React · Angular · HTML5 · CSS · Sass · MaterialUI · TailwindCss · NodeJS · NestJS · Python · Django · C# · WPF ·
Rest API · OAuth · JWT · Cognito · NoSQL · DynamoDB · PostgreSQL · MySQL · RDBMS · Redis · TDD · JSON · Unit Testing · Cypress · CI/CD ·
GitHub Actions · IaC · Pulumi · Git · Cloud Architecture · Microservices · SQS · S3 · AWS Serverless · EC2 · Distributed Systems · AWS Lambda ·
Datadog · Linux · Windows · Jira · GitHub · Agile · Scrum

Certification

AWS Cloud Developer Associate - DVA-C02 — *Amazon Web Services Training and Certification*   January 2025 - January 2028

Volunteering

Pakistan Students Association   Kiel, Germany
President   01/2018 - 01/2020
Managed association operations and supported 200+ Pakistani students in Kiel with settlement and integration. Organized 20+ cultural
events, including Pakistan Cultural Night and Mela, engaging 600+ multinational attendees.