ADNAN AHMAD

(Sr. Full Stack, DevOps & Cloud Engineer)

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Transferable Iqama

Skills

- JavaScript | TypeScript | MongoDB | MySQL | NodeJS | ExpressJS | React | Redux Thunk & Saga | Next.js | Stripe | Git | | React-Query | OAuth
- Firebase | Kafka | RabbitMQ | CI/CD | Jest | Cypress | React Testing | Bugsnag | JWT | Passport | OOP | Error Handling & Logging | Data Visualization
- Horizontal & vertical scaling | Polling and websockets | Docker Swarm | Kubernetes | WebRTC | Rate limiting | Captchas and DDoS protection, Sentry
- Grpc, Capacity Estimation | Payment Gateways | Charts | Prometheus | Grafana | AWS Constructs (EC2, S3, CDNs, LB, EKS) | Nginx | Load Balancers
- Prisma, Redis | REST API | GraphQL | Three.js | Authentication & Authorization | DSA | System Design | Recoil | PostgreSQL
- Microservices | Monolithic | Multiple-Tier | Common Design Patterns in JS | Frontend | Backend | Full-Stack | DevOps | English, Urdu, Pashto

Experience

Software Engineer	Craft AEC GMBH (German)	03/2024 - Current

- Led the design and development of multiple enterprise-level **microservice** applications of Commerce Experience Group, driving **€10.3** millions of
  revenue every year using the latest technologies of **AWS, Typescript, NodeJS, DynamoDBs, AWS Lambda**, **KMS, and AWS SDK and APIs,**
  Amazon Cognito, AWS AppSync.
- Designed and implemented scalable APIs and background workers for managing first- and third-party proprietary licenses using **Node.js**, **AWS**
  Lambda, and other **AWS cloud technologies** that serve millions of license requests daily.
- Led the development of several products **E2E**, from identifying system requirements and partner dependencies to workload balancing, software-
  implementation, engineering, **testing**, and **configuring metrics**, **alarms**, **monitors**, and **dashboards**.
- Enriched system metrics by integrating the platforms with telemetry; facilitated in-depth logging by correlating APIs with vector contexts.
- Continuous Integration/Deployment Pipeline Integration, pull requests, code reviews, load/stress testing, unit/integration/e2e testing.

Software Engineer	ARTEC	03/2022 – 02/2024

- Developed a microservices architecture using **Node.js**, **Express**, and **Docker Swarm**, increasing user traffic by **35%** and generating **$800**K in annual
  revenue.
- Directed company's technical support and operations teams to successfully solve over 400 customer complaints, maximizing uptime and achieving **90%**
  customer satisfaction.
- Automated and optimized business logic for the core marketing experiments, including A/B, Auto-Targeting, and Multivariate Testing.
- Completely automated the marketing platforms' user-experience testing process by integrating **Cypress** and **React Testing Library**.
- Supervised **30** developers that created company's e-commerce platform that could scale up to **1M** daily visitors.
- Designed and developed over **15 full-stack** solutions that solved **70%** of use cases from embedded devices, and web UI to **backend** and **database**.

Software Engineer	GITHUB (Open Source)	04/2020 - 02/2022

- Led bug fixing and feature implementation in open-source projects using **JavaScript**, **TypeScript**, **NodeJS**, **ExpressJS**, React, and **Next.js**, resolving
  critical issues and optimizing performance for applications utilizing **MongoDB** and **MySQL**.
- Enhanced payment processing features by integrating **Stripe** and streamlined development workflows with **CI/CD** pipelines, ensuring rapid and reliable
  deployment.
- Designed and implemented microservices architecture using **AWS Lambda** and **API Gateway**, facilitating modular development and scalability.
- Integrated third-party services and **APIs** into the SaaS platform, leveraging **AWS SDKs** and **Node.js** libraries to streamline functionality and enhance
  user experience.
- Optimized application performance through techniques such as caching, lazy loading, and code splitting, ensuring optimal user experience and
  efficient resource utilization.
- Improved authentication and security features using **OAuth** and **JWT**, while managing real-time data updates and messaging with **Kafka** and
  RabbitMQ.

Software Engineer	Global IT Solutions	05/2019 - 04/2020

- Spearheaded 9 projects that improved the Global's revenue by **$4.3**M through automation and usability improvements to the existing software platform.
- Led the effort that saved Global's $100K per month by developing script automation software, which streamlined an existing labor-intensive process.

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- Delivered a database-driven web application for a $900K project by supervising a team of 11 developers.
- Designed GraphQL schemas, types, queries, mutations, and subscriptions to define the API's capabilities and data model.
- Implemented rate limiting, throttling, and caching strategies to manage API usage and improve scalability.
- Designed and managed relational or NoSQL databases like MySQL, PostgreSQL, MongoDB, or Firebase and Firestore to store and retrieve application
  data efficiently.

Software Engineer	Final Year Project	t the end of Bachelor

- Full Stack Ecommerce Web Application with microservice architecture ensuring all the industry standards.

Education

Bachelor of Science	University of Swabi	Swabi, KPK, Pakistan	2019 - 2023

- Major in Computer Science – 3.59 CGPA

Projects

Real-time Dashboard for Data Monitoring, E-commerce Platform with Microservices Architecture, Real-time Collaborative Learning Platform, Microservices Architecture with API Gateway and Security, Progressive Web App (PWA) with Offline Functionality and Advanced UX, Serverless Architecture with AWS Lambda and API Gateway, AI-Powered Chatbot for Customer Support, Scalable API and Background Worker System, Enterprise E2E Product Development and Monitoring and many more …

Mentorship

- **Coding Bootcamp Mentor:** responsible for mentoring and giving career advice to junior batch students.
- **Computer Science Tutor:** Programming | Data Structure and Algorithms | Career advice | Coding interview prep | Solving Leetcode Problems.

Others

- Successfully passed Turing Assessments and LinkedIn Skills Assessments, demonstrating proficiency in various areas of web development.
- Participated in a University's web development contest, showcasing skills and commitment to excellence in the field.
- Certified as proficient in English by the British Council, ensuring clear communication and collaboration in international settings.
- Honored with 100xDev certification.