ALI ASGHAR

SOFTWARE ENGINEER

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PROFESSIONAL SUMMARY

Tech-Adaptive Software Engineer with **3 years of experience** building enterprise applications. A **continuous learner** specializing in **.NET Core** and **Java Spring Boot**, with practical experience in **Node.js**. Skilled in designing scalable architectures like **Microservices** and **Modular Monoliths**, and delivering full-stack solutions using **React** and **Angular**. Experienced in cloud development on **Azure** and **AWS**, utilizing **Docker** and **CI/CD** pipelines for automated deployments. Proven track record of optimizing database performance and leading complex backend integrations to drive business value.

TECHNICAL SKILLS

Languages & Core	C#, Java (Spring), TypeScript, JavaScript (ES6+), SQL, Dart, OOP, SOLID Principles
Backend Architecture	.NET Core, ASP.NET Web API, Spring Boot, Microservices, Modular Monoliths, RESTful APIs, Node.js (Express)
Frontend & Mobile	React.js, Angular, Blazor WebAssembly, Flutter, Redux Toolkit, Tailwind CSS, HTML5/CSS3
Cloud & Infrastructure	Azure (App Service, Functions, SQL), AWS (EC2, S3, Elastic Beanstalk), Docker,
Data & Messaging	SQL Server, PostgreSQL, MySQL, Redis (Caching), RabbitMQ (Message Bus), Entity Framework Core
DevOps & Tools	CI/CD (GitHub Actions/Azure DevOps), Git, Trello, Postman, Visual Studio 2022, VS Code

PROFESSIONAL EXPERIENCE

Software Engineer   Oct 2024 – Present
Digital Dividend Global | Karachi, Pakistan

KEY DELIVERABLES

- **AI Faris School System (Saudi EdTech):** Took ownership of the existing **Spring Boot Microservices** system. Led the development of new features, maintenance, and critical bug fixes to ensure system stability. Leveraged **RabbitMQ** and **Redis** in a **Dockerized** environment to support complex financial modules like Student Wallets and Direct Bank Transfers.
- **Exitbase Connector (SME & Investor Platform):** Architected and built a scalable investment portal from scratch in under one month. Used the **PERN Stack** (PostgreSQL, Express, React, Node.js) and **Agentic AI** tools to accelerate the development of deal flows and funding tracking features.
- **Vertex Hours Guard Management (UK Security):** Collaborated on the architecture and build of a **Modular Monolith .NET Core** application. Implemented the guard rostering system, automated check-call verification, and reporting features. Managed the end-to-end **Azure Infrastructure** setup.
- **Cata Global Chauffeur Service:** Enhanced an existing **.NET** ride-booking platform. Improved critical flows for ride creation and financial reconciliation, and integrated **Stripe** for secure payments.
- **Trackson (Expense Automation):** Developed a scalable **Spring Boot** microservice to automate trip reimbursement workflows, ensuring strict financial compliance and seamless integration with **Fortnox** accounting software.
- **Enterprise CMS & Custom Solutions:** Delivered platforms for clients like **Shareek.gov.sa** and **Cultural Summit Abu Dhabi**. Used **Umbraco CMS (.NET)** for content management and built custom APIs to extend functionality.
- **CatchEngine (Quiz Platform):** Maintained a legacy **Laravel & MySQL** product. Identified and resolved a critical database bottleneck, optimizing indexing to **reduce result page load time by 60%**.

Associate Software Engineer   Jun 2023 – Sep 2024

GentecSoft | Karachi, Pakistan

KEY DELIVERABLES

- **ERP Modernization (Business Solutions Pro):** Migrated legacy desktop modules to a modern cloud-based **web application** using **.NET Core** and **Blazor WebAssembly**. Improved access for **300+ local clients** with zero data loss.
- **Industrial Transport Tracking System:** Built a real-time logistics tracking solution for the sugar industry. Features included vehicle tracking (Loading to Mill Gate), digital approval workflows, and reporting, significantly reducing manual errors.

KEY PROJECTS & RESEARCH

SaaS Inventory & POS Platform   **Featured Personal Project**

- Architected a **Multi-Tenant SaaS** solution for **Business Operations** using **.NET Core** and **React 19**.
- Implemented **Multi-Branch Resource Management**, **Bulk Operations**, and **Role-Based Access Control**.
- Designed a responsive UI with **Tailwind CSS** (Dark/Light Mode) and **Multi-Language Support (i18n)**.
- Deployed on **AWS** (Elastic Beanstalk + S3).
- **Live Demo:** pos-saas-demo.com
- *Credentials: Email: admin@demo.com | Password: Pass@123*

KidzSearch: Missing Child Platform   **Final Year Project**

- Created a cross-platform mobile app using **Flutter** and **.NET Core** for missing child recovery.
- Implemented real-time Face Recognition using **Dlib** to match missing reports with sightings instantly.
- Built a dashboard with location-based sorting and automated alerts for relevant authorities.

EDUCATION

Bachelor of Science in Computer Science   **Graduated: 2024**

Hamdard University, Karachi