

Zain Qureshi

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Senior Full-Stack Developer with **5+ years** architecting scalable solutions that drive business growth. Expert in modern web technologies, cloud platforms, and fintech systems. Proven track record of **reducing operating costs by 30%**, **boosting system performance by 45%**, and leading cross-functional teams to deliver enterprise-grade applications serving **8,000+ users** and processing **750k+ secure transactions** annually.

Professional Experience

Senior Full Stack & Backend Developer

Novalabs • Sep 2024 - Present

- **Architected** QEF Tournament Management Portal using Next.js, TanStack Query, and Shadcn UI, implementing role-based middleware that **streamlined player/team organization by 50%**
- **Engineered** scalable RESTful APIs for IPP E-commerce Backend, supporting product management, order processing, and secure payment integration with **96% uptime**
- **Spearheaded** blockchain integration for Pixpel.io Web3 gaming platform, implementing Concordium smart contracts and NFT warranty systems ensuring **100% MiCA compliance**
- **Automated** end-to-end testing with Playwright across microservices, **reducing regression time by 60%** and improving deployment confidence
- **Optimized** database performance and implemented auto-generated Swagger documentation, **improving API discoverability by 40%**

Senior Backend & Fintech Developer

Nielseniq • Aug 2023 - Sep 2024

- **Integrated** KiplePay Payment Gateway using .NET Core and SignalR, enabling real-time DuitNow QR transactions and **reducing settlement latency by 35%**
- **Developed** secure eKYC Portal with React/Redux and OCR document validation, **processing 5,000+ verifications monthly**
- **Designed** PCI-DSS compliant microservices on Azure Functions and Docker, achieving **94% transaction success rate**
- **Implemented** automated identity verification workflows, **processing 10,000+ verifications monthly**

Senior Web Developer

MBE Canada • Mar 2022 - May 2023

- **Delivered** ASP.NET enterprise applications improving operational efficiency by **30%** through clean, scalable architecture
- **Built** ACH and call center software solutions supporting **50,000+ transactions monthly**
- **Architected** RESTful APIs connecting React frontends with SQL databases, **reducing data retrieval time by 30%**
- **Implemented** electronic journal functionality and custom date features for ATM projects serving **500+ locations**

Web Developer

Fairplays • Aug 2021 - Dec 2021

- **Engineered** dynamic web pages and plugins **increasing user engagement by 30%**
- **Configured** Google Analytics driving data-based decisions and **improving conversion rates by 20%**
- **Executed** SEO campaigns following Google best practices, **boosting organic traffic by 40%**

Software Developer

Technado (Pvt) Ltd • Jul 2017 - Oct 2018

- **Developed** comprehensive Employee Management System in VB.NET, **automating 60% of HR processes**
- **Integrated** ERP systems with Account Management modules ensuring seamless data flow for **300+ employees**
- **Automated** payroll processing using C#, ASP.NET, and SQL Server, **reducing processing time by 50%**

Core Competencies

Programming Languages

JavaScript, TypeScript, C#, Java, Python, Rust, Solidity, Dart

Frontend Technologies

React, Next.js, Angular, Redux, TanStack Query, Tailwind CSS, SASS, Bootstrap

Backend & APIs

Node.js, .NET Core, Express.js, RESTful APIs, GraphQL, SignalR, Swagger

Cloud & DevOps

AWS, Azure Functions, Docker, Vercel, Netlify, CI/CD, Playwright, Git

Databases

PostgreSQL, MySQL, MongoDB, Redis, SQL Server

Blockchain & Web3

Solidity, Concordium, Smart Contracts, NFT Standards, Web3.js

Education

- **Bachelor of Computer Science (Hons.)** - Coventry University • Oct 2018 - Dec 2021
Dean's List 2019 • Relevant Coursework: Software Engineering, Database Systems, Web Development, Algorithms & Data Structures
- **A Levels in Computer Science** - Tafs College • Aug 2016 - Aug 2018
Focus: Programming Fundamentals, Mathematics, Computer Systems
- **O Levels** - Army Public School (APSACS) • Jun 2014 - Aug 2016
Biology, Mathematics, English, Computer Studies

Key Projects

Cashwave.live - Fintech ATM Platform

Tech: .NET Core, C#, SQL Server, Azure, SignalR

Engineered Canada's fastest-growing ATM processing network backend, supporting **2,000+ ATMs nationwide** with 7-day settlement cycles and real-time transaction monitoring.

Pixpel.io - Web3 Gaming Platform

Tech: Node.js, PostgreSQL, Concordium, Smart Contracts

Led blockchain development for Web3 gaming platform with NFT warranty systems, achieving **100% MiCA compliance** and **40% defect reduction** through automated testing.

QEF Tournament Management Portal

Tech: Next.js, TanStack Query, Shadcn UI, PostgreSQL

Comprehensive tournament management system with role-based middleware, dynamic navigation, and secure API integrations for seamless player/team organization.

eKYC Identity Verification Portal

Tech: React, Redux, Node.js, OCR APIs, AWS S3

Secure identity verification system with OCR document validation, processing **5,000+ verifications monthly** and enabling instant merchant onboarding.

KiplePay Payment Gateway

Tech: .NET Core, SignalR, PostgreSQL, RabbitMQ

Integrated fintech payment gateway for DuitNow QR transactions with real-time updates, achieving **94% transaction success rate** and refined revenue sharing.

Nosh NFT Marketplace

Tech: Next.js, Solidity, Express.js, Web3.js

Full-stack NFT trading platform enabling minting, buying, and selling of digital assets with Solidity smart contracts and seamless Web3 interactions.

Other Projects

- **RichAi** – AI Chatbot | Python, TensorFlow, React
- **TinyKiwi.io** – Snapshot Reliability Component | Next.js, Tailwind CSS
- **SF Business Solutions** – Corporate Site | Next.js, Shadcn UI
- **Orchestrator** – Cloud Test Automation | Azure Functions, .NET, Playwright
- **UrbanWalker** – Squarespace, Webflow & WordPress Multisite