MUHAMMAD HUZAIFA AWAN

SENIOR SOFTWARE ENGINEER | FULL STACK • .NET • CLOUD • AI INTEGRATION • MCP SERVERS

huzaifa@huzaifaawan.com | huzaifaawan.com | linkedin.com/in/muhammadhuzaifaawan | github.com/M-Huzaifa-Awan

PROFESSIONAL SUMMARY

Software engineer with over six years of experience building and improving business software, from customer-facing applications to complex enterprise systems. Specializes in C#/.NET, APIs, SQL databases, technical-debt reduction, and performance optimization, alongside full-stack SaaS delivery and AI integrations. Experienced working independently and collaborating remotely with US and European teams.

TECHNICAL EXPERTISE

Backend & architecture: C#, ASP.NET Core, .NET 5-8, Entity Framework Core, REST APIs, microservices, API gateways, WebSockets, Python, FastAPI, Node.js

Frontend: React, Next.js, Angular, TypeScript, JavaScript, Tailwind CSS, responsive UI, internationalization

Databases & performance: SQL Server, PostgreSQL, MySQL, MongoDB, Redis, SQLite, query optimization, caching

Cloud & delivery: Azure, Azure DevOps, Docker, CI/CD, GitHub Actions, Fly.io, Vercel, production troubleshooting

AI, security & integrations: MCP, OpenAI API, Claude API, Microsoft Graph, OAuth 2.0, JWT, Stripe, webhooks, structured outputs

PROFESSIONAL EXPERIENCE

Software Engineer / Subcontractor | LOTTE Innovate | Remote **(Mar 2026 - Present)**

- Contributed to an 11-microservice .NET environment with API gateway patterns, Consul, SQL Server, Angular, JWT/NTLM authentication, logging, reporting, and performance analysis.
- Built MCP integrations and supported SDK migration, backend deployment, synchronization workflows, and packaged C#/WPF desktop tools.
- Delivered React and SQL Server features for a real-estate listings platform and a network-change assessment desktop tool.

Lead Software Engineer | Technofies | New York, United States (Remote) | Contract **(Oct 2023 - Oct 2026)**

- Developed and maintained enterprise applications using C#, .NET, ASP.NET Core, SQL Server, and REST APIs.
- Delivered application enhancements and resolved defects in response to evolving business requirements.
- Reduced technical and performance debt through code refactoring, backend improvements, SQL query optimization, and database tuning.
- Built and maintained APIs, investigated production issues, and improved application reliability and maintainability.

Senior Full Stack Developer | LEO Innovate | US (Remote) **(Feb 2025 - Aug 2026)**

- Built multi-tenant SaaS features with ASP.NET Core, React, SQL Server, Redis, Stripe, and WebSockets, including live-preview editing, analytics, queues, and OTP kiosks.
- Optimized SQL queries and Redis caching to achieve a 95% cache hit rate and sub-50 ms API responses under 100+ concurrent users.
- Refactored 5,000+ lines of C# code; reported 30% lower technical debt and 40% fewer production incidents.
- Delivered English/Spanish localization and collaborated with US stakeholders on delivery and production support.

PROFESSIONAL EXPERIENCE (CONTINUED)

Full Stack Developer | FABCO / Divisional Public School | Lahore **(May 2023 - Sep 2024)**

- Modernized school-management workflows using .NET, JavaScript, MySQL, and REST APIs across admissions, academics, payroll, and inventory.
- Improved page-load times from approximately 3 seconds to under 500 ms through database restructuring and indexing; resolved 50+ legacy defects.

Independent Software Engineer | International Clients (including Upwork) | Remote **(Jan 2020 - Present)**

- Delivered SaaS applications, dashboards, integrations, and backend systems for international clients, from requirements and architecture through deployment and support.
- Completed 2,000+ billed client hours across freelance, consulting, and long-term direct engagements.

SELECTED INDEPENDENT PRODUCTS

Request Shield | API Security & Developer Tooling

Built a request-preflight security product that checks for injection risks, server-side request forgery (SSRF), secret exposure, and unsafe URLs. Designed API-key onboarding and integration paths for Node.js/TypeScript, MCP, and AI coding assistants.

Atlas | Outlook + Claude MCP Integration

Designed and launched an MCP-based integration connecting Claude to Outlook email, calendars, and meetings through Microsoft Graph. Implemented authentication and multi-account access for natural-language email and scheduling workflows.

Apex Synchronia Intelligence | AI Analytics Platform

Built an AI-enabled analytics experience using Next.js, Claude and OpenAI APIs, structured outputs, prompt orchestration, data ingestion, and interactive business reporting.

ADDITIONAL ENGINEERING HIGHLIGHTS

- Enterprise modernization: distributed .NET services, SQL performance, API gateways, authentication, reporting, observability, and staged Angular upgrades.
- Product delivery: payment subscriptions and webhooks, real-time interfaces, multilingual experiences, and SaaS dashboards.
- AI integrations: business-system connections using MCP, OAuth, Microsoft Graph, and secure API workflows.

EDUCATION & CREDENTIALS

B.S. Computer Science | National University of Modern Languages (NUML), Islamabad | 2026 | CGPA: 3.72/4.00

micro1 Certified Full Stack Developer | Certificate of Brilliant Academic Achievement (NUML)

LANGUAGES

English (C1 Advanced; professional collaboration with US teams)