MUHAMMAD HUZAIFA AWAN



Software Engineer

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Senior Software Engineer and a **Certified Full Stack Developer.**

DevOps Engineer, **Cybersecurity Tester** and an **MCP server Expert.**

At your service, offering secure, reliable and scalable software solutions.

What I can Build for you:

- Websites & Web Applications
- SaaS Products & Platforms
- AI Agents & MCP Servers
- Business Automations & Workflows
- REST APIs & Microservices
- Custom Software Solutions
- Real-Time Applications
- AI-Powered Tools & Integrations

What Services I can Provide for you:

- Full Stack Web Development
- Backend & API Development
- AI Integration & Automation
- Software Architecture & System Design
- Cloud Deployment & DevOps
- Third-Party API & System Integrations
- Database Design & Performance Optimization
- Application Security & Vulnerability Assessments
- Legacy Software Modernization
- Technical Consulting & Troubleshooting

I help **businesses**, **teams**, **organizations** and **individuals** by bringing their **ideas** to life, improve **existing** applications, and **solve** complex technical challenges.
My focus is on delivering clear **communication**, A+ plus grade **results**, client **satisfaction** and customer **care** by following optimal work **ethics** and efficient **methodologies**.

MY TECHNICAL EXPERTISE

Frontend

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

Backend & architecture

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

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

Cybersecurity & Penetration Testing

OWASP Top 10, Web Application Security Testing, API Security Testing, Vulnerability Assessment, Authentication & Authorization Testing, SQL Injection, XSS, SSRF, Broken Access Control, JWT Security, Supabase RLS Auditing, Security Misconfiguration, Responsible Disclosure

PROFESSIONAL EXPERIENCE

Remote
03/2026 – Present

Software Engineer / Subcontractor
LOTTE Innovate

- 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.

Remote
01/2020 – Present

Independent Software Engineer
International Clients (including Upwork)

- 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.

New York, United States (Remote)
10/2023 – 10/2026

Lead Software Engineer
Technofies
Contract

- 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.

US (Remote)
02/2025 – 08/2026

Senior Full Stack Developer
LEO Innovate

- 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.

Lahore
05/2023 – 09/2024

Full Stack Developer
FABCO / Divisional Public School

- 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.

LANGUAGES

English
C1 Advanced; professional collaboration with US teams

EDUCATION & CREDENTIALS

Islamabad
2026

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

micro1 Certified Full Stack Developer

Certificate of Brilliant Academic Achievement
NUML

SELECTED INDEPENDENT PRODUCTS

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.

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.

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.