Uzair Waseem

AI SOFTWARE ENGINEER | PYTHON, TYPESCRIPT, LLM APIS AND AGENT ORCHESTRATION

Dublin, Ireland | uzairwaseem29@gmail.com
uzairwaseem.com | linkedin.com/in/uzair-waseem | github.com/Assembler-Fourier
Stamp 1G expiry: 30 April 2028 | Available immediately for IT roles | Can relocate across Ireland within one week
Own car and full Irish driving licence

PROFILE

Dublin-based software engineer with remote delivery experience in TypeScript products, backend integrations and automated workflows. Independent project VaultWatch adds Python/FastAPI, Anthropic SDK agent orchestration, deterministic replay and tamper-evident audit. MSc Cybersecurity supports secure data handling and reviewable AI workflows.

TECHNICAL SKILLS

AI application: Python, FastAPI, Anthropic SDK, LLM APIs, agent orchestration, scikit-learn

Product and data: TypeScript, Next.js, REST APIs, WebSockets, PostgreSQL, Redis

Evaluation and delivery: deterministic replay, Pytest, Vitest, API testing, Docker Compose, GitHub Actions, CI/CD

Security and auditability: authentication, authorization, JWT, rate limiting, tamper-evident audit, OWASP, technical documentation

PROFESSIONAL EXPERIENCE

Software Engineer & QA - TalentHunter Ltd

Sep 2026 - Nov 2026 | talenthunter.me

- Contributed to platform development and end-to-end testing across candidate, employer and admin workflows.
- Investigated frontend and backend defects, reviewed code changes and documented findings to support release decisions.

Control Room Manager (weekends) - Threadstone Security Ltd

Nov 2025 - Present

- Coordinate rosters and staffing changes for a security workforce of approximately 300, using a personally developed rostering system.

Software Engineer (Full-Stack) - Outstanding Marketing

Remote - Germany | Feb 2025 - May 2026 | outstanding-marketing.de/en

- Built React and TypeScript interfaces, internal dashboards and Node.js API integrations for e-commerce workflows.
- Automated reporting and QA checks; translated stakeholder requirements into scoped development tasks.

Software Engineer - LocalhostLabs

Pakistan | Jun 2024 - Dec 2024 | localhostlabs.tech

- Built web and backend workflows connecting REST APIs and databases. Investigated defects and supported documentation, QA triage and release handoffs.

Software Engineering Roles - Octans Digital (OD)

Islamabad, Pakistan | Nov 2020 - Apr 2024 | octans.ai

- Completed development tickets, including C# tasks, through intern, junior and associate roles alongside Computer Science studies.

SELECTED ENGINEERING PROJECTS

VaultWatch - Polyglot AI and Security Operations Platform

Stack: Rust/Axum, Go, Python/FastAPI, scikit-learn, Next.js/TypeScript, PostgreSQL, Redis, Docker Compose, GitHub Actions
Live showcase | GitHub source

- Built a four-service fraud and account-security platform spanning Rust risk scoring, Go authentication and anomaly detection, and a Python/FastAPI multi-agent pipeline with the Anthropic SDK and bounded tool use, surfaced through a Next.js operations dashboard.
- Added deterministic replay, synthetic-data boundaries and cross-language CI; full Docker Compose verification exposed and fixed persistence-serialization and WebSocket cleanup defects.

Irish Theory Test Coach - Live Deployed EdTech Platform

Stack: JavaScript, Vercel Functions, PostgreSQL adapters, passwordless sessions, PWA, accessibility and deployment QA
Live website | GitHub source

- Designed and deployed irishtheorycoach.ie, an independent Category B practice platform with 1,277 questions, timed mocks, road-sign drills, weak-area review and account-access flows.
- Built serverless APIs, protected learner/operator routes, content-quality checks, accessibility coverage and a 15-check post-deploy smoke suite for the public release.

EDUCATION

MSc Cybersecurity - National College of Ireland, Dublin | 2025 - 2026 | Graduated April 2026

BSc Computer Science - FAST NUCES, Pakistan | 2020 - 2024