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Alireza Mohammadi

Software engineer. I build internal tools, automations and AI agent integrations: the software people have to use every day.

Experience

Freelance Software Engineer

Nov 2026 to present

- Build AI automations and agent integrations for small teams who want the work done rather than a prototype to evaluate.
- Take projects end to end: scope the problem, build it, put it in front of the people who have to use it, and stay long enough to see whether it held.
- Work across Python, TypeScript and Next.js, with n8n and MCP for agent and workflow integration.

Software Developer

WM Reply

Dec 2025 to Oct 2026

- Built internal business applications for multinational client organisations, over SQL Server and SharePoint data.
- Set up governance for client environments worldwide: environment strategy, security policies, data loss prevention rules and compliance standards, now in force across their global deployments.
- Integrated those applications with Azure and SQL Server to deliver complete systems rather than isolated tools.
- Automated environment provisioning end to end, cutting manual setup time and keeping configuration identical across a large enterprise estate.

Software Developer

West Midlands Ambulance Service NHS Trust

Feb 2023 to Sep 2025

- Built Python automations that cut manual processes by 27% and made tasks 30% faster to complete.
- Built internal applications used daily by crews and control staff, improving data accuracy and reducing user error.
- Looked after on-premises and Azure SQL databases for mission-critical systems, keeping them available, secure and in sync.
- Designed REST APIs and data pipelines that joined up internal systems, so teams could see what was happening in real time.

Projects

Scout

Python, Claude, Playwright — 2026

- A research agent that profiles hundreds of companies and records, for every claim it makes, the page and the exact sentence that supports it. Runs locally at around four pence per company.
- A second pass re-checks that those quotes appear where the agent said, catching the failure that matters most: a sentence invented rather than found.

Kakitori

TypeScript, Lua, ElevenLabs — 2026

- A VLC extension that transcribes Japanese audio and writes the subtitles into the video file itself, so one file plays anywhere with the text attached. The picture is never touched and every existing track survives.

Skills

Languages

Python, TypeScript, JavaScript, Java, SQL, HTML, CSS

Libraries & Frameworks

Next.js, React, Express.js, Django, FastAPI, Tailwind CSS, TensorFlow

Tools & Platforms

Azure, SQL Server, Supabase, Node.js, Git, n8n, MCP, Playwright

Focus

Back-end development, automation, AI agent integration, cloud integration

Education

University of Westminster

BSc (Hons) Computer Science
First-class honours
2019 to 2022