

Matt Wilson

Full Stack Engineer

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TypeScript · Next.js · NestJS · React Native · Azure

PROFILE

Full stack engineer with 4 years of production experience building web and mobile applications. Specialising in TypeScript across the full stack — Next.js, NestJS, React Native — Azure certified, with a strong focus on clean architecture, thorough testing, and long-term maintainability.

TECHNICAL SKILLS

Languages	TypeScript (strict), JavaScript
Frontend	Next.js 15, React 19, React Native (Expo), TanStack Query, Tailwind CSS
Backend	NestJS, Node.js, GraphQL, Prisma ORM, SQL Server, PostgreSQL
Cloud & DevOps	Azure App Service, Azure DevOps, Azure Blob Storage, Azure Key Vault, Docker, CI/CD
Auth & Security	Microsoft Entra ID, BetterAuth, JWT, OAuth2, Biometric (iOS & Android), MFA
Testing	Vitest, Cypress, Jest, React Native Testing Library, Maestro, Supertest

EXPERIENCE

Full Stack Developer · Stonehage Fleming (SF Digital)

Jan 2024 – Mar 2026

Remote / Isle of Man

Next.js 15 · React Native · NestJS · TypeScript · PostgreSQL · SQL Server · Prisma · Azure DevOps · BetterAuth · Docker · Cypress · Maestro

- Sole frontend architect and lead full-stack engineer on an internal investment management platform for the Global Best Ideas division — covering client portfolios, valuations, transactions, AUM reporting, and automated document generation handling \$4B in AUM.
- Sole engineer on SF Mobile from inception — a cross-platform iOS & Android fintech app giving wealth management clients real-time access to portfolios, documents, and transactions. Delivered end-to-end in 6 months.
- Owned the full authentication and security system across mobile and backend — MFA (email OTP, phone OTP, biometric Face ID / Touch ID), multi-strategy BetterAuth integration (Azure AD OAuth, Twilio OTP, TOTP 2FA), device recognition, and JWT session management.
- Built 45+ REST API endpoints across both platforms with Clean Architecture, Zod validation, full OpenAPI documentation, and Azure Blob Storage integration for document workflows.
- Delivered automated valuation pipelines, financial dashboards, multi-currency portfolio views, and a 4-language internationalised mobile experience (English, Spanish, French, German).
- Established full engineering infrastructure: Azure DevOps CI/CD pipelines (dev/UAT/prod), 150+ test files on the web platform, 52 mobile unit test files, 43 backend test files, and Maestro E2E suites across iOS and Android.

Intermediate Software Developer · AAO Holdings

Jul 2023 – Sep 2023

Douglas, Isle of Man

JavaScript · TypeScript · React · React Native · GraphQL · Node.js · Vitest

- Built custom reusable components including a MultiSelect, reducing dependency on NativeBase and improving application performance.
- Contributed to the design and build of a cross-departmental ticket system using a state machine pattern — distinct workflow stages, escalation paths, and assignment rules per department.

Junior Software Developer · AAO Holdings

Jun 2022 – Jul 2023

Douglas, Isle of Man

- Owned internationalisation configuration across a multi-language React Native banking application.
- Implemented a four-part customer onboarding flow in collaboration with a senior engineer, handling complex conditional state across banking KYC steps.

PERSONAL PROJECTS

Imperium · AI Knowledge Management Platform

2025 – Present

Python · Flask · Docker · n8n · Anthropic API · Claude MCP · Hetzner

- Production-grade AI knowledge management platform with multi-service architecture and cost-optimised Haiku → Sonnet → Opus LLM routing pipeline.
- Ingests from Gmail, Drive, and Calendar; validates against governance schemas before writing to a structured Obsidian vault.
- 600+ tests at 93% coverage, Docker Compose orchestration, and multi-environment deployment on Hetzner VPS with Caddy reverse proxy.

CERTIFICATIONS

Microsoft Certified: Azure Administrator Associate **IN PROGRESS**

Exam: 20 Jul 2026

Microsoft Certified: Azure Developer Associate

Issued Mar 2025

Microsoft Certified: Azure Fundamentals

Issued Sep 2024

EDUCATION

A-Level Psychology, Business Studies, Media Studies · King's Interhigh Online School

2019 – 2021