

Profile

AWS-certified Senior Software Consultant with 6+ years of commercial experience across full-stack TypeScript, cloud, and high-traffic systems. My focus has shifted to AI-assisted software delivery: building systems where most code is produced by LLMs and held to a high bar through automated quality gates, strong typing, and disciplined review of model output. With less time spent writing code by hand, more of the work shifts into the harder technical and design decisions about the systems being built. I am a strong advocate for pragmatic problem-solving and excel in environments that encourage ownership and self-driven engagement.

Education

- 2015 – 2019** Computer Science (with Industrial Experience) MSciHons (*IET Accredited*)
First Class Honours (1:1)
Lancaster University
- 2013 – 2015** **A-Levels:** Computer Science (A), Mathematics (A), Physics (B), Psychology (C)

Experience

Codurance — Senior Software Consultant

March 2022 – Present

Senior consultant working primarily in TypeScript across full-stack web, cloud (AWS, Azure), and AI-assisted delivery. Recent highlights:

- **AI-assisted development.** Delivered several AI-driven proofs of concept end-to-end as the sole developer, ranging from short internal demos to a multi-agent requirements-extraction pipeline run over a large legacy codebase, and a client-facing PoC delivered in under a week. Daily stack: Cursor as primary IDE, Claude and Codex as primary models, with sub-agents, skills, and AGENTS.md configuration to orchestrate multi-agent workflows. Strong emphasis on quality gates (typing, lint, tests, CI) *and* deliberate review of AI output so generated code is of a high quality. Use Infrastructure-as-Code (Pulumi) to give agents safe, repeatable environments to work in. Authored internal articles and gave demos and presentations on these practices that became reference material across the company. Wrote an "AI and Software Delivery" deck for the company's principal engineers.
- **Internal product delivery.** Redirected and rebuilt Codecks, an internal deck-collaboration product, replacing a two-month build with an AI-first serverless app usable in about three days; stakeholders chose it and cancelled the original. Also rebuilt Memento, our internal time-tracking tool, to feature parity in about three to four days on a modern stack (TypeScript, SST, Next.js on AWS) with CI/CD and unit, integration and end-to-end tests.
- **Modernization & migration analysis.** Designed AI-assisted pipelines to investigate large legacy codebases, producing dependency graphs, regression test suites, per-repo migration plans, and viability spikes. Planned multiple migration paths to modernise a whole system considering cost, performance and maintainability

- **High-traffic platform work.** Long engagement on a high-traffic gaming/entertainment platform: leading a production data migration of millions of users between systems, built and ran k6 performance tests at scale (weekend long soak tests), and overhauled Grafana and Datadog dashboards to help root cause analysis, materially accelerating on-call incident response. Hands-on incident response and bug triage across a complex micro-service architecture (Kubernetes, NestJS, DynamoDB, Vault).
- **Other engagements.** Led K6 performance-testing strategy for a tax-software client. Mentored engineers, reviewed hiring code assessments, and informally drove technical direction on typing standards, testing patterns, and modernization strategy.

DXC — Software Developer

November 2019 – March 2022

Primarily worked on a cloud migration of a large financial application to AWS, using Java Spring micro-services with DynamoDB. Built reusable libraries, estimated work, and mentored colleagues. Other work included React web forms, PowerShell automation scripts and applications, and C# Windows automation (WinAppDriver), giving broad exposure to enterprise cloud technologies.

Projects

Internal Profiles App (Next.js + SST)

Rebuilt a stale internal staffing app on Next.js and SST with DynamoDB, integrated into the company monorepo with serverless CI/CD. Added a Slackbot to nudge quarterly skill updates and started an AI-driven feature to summarise people's accomplishments to help match consultants to client engagements. Maintained a serverless architecture for cost efficiency while improving performance and developer experience.

Codecks — AI-first Deck Collaboration (Next.js + SST)

Internal product for collaborating on AI-generated client decks. A user's own Claude Code session drives the deck through an HTTP API backend, while a thin Next.js web app on AWS (SST) lets colleagues watch it update live, leave comments anchored to text blocks, and make small edits. Slides stay freeform HTML with a mandatory house stylesheet, and each text block carries a stable ID so comments survive rewrites. Serverless throughout, so idle cost is near zero.