

Tony Milton

Backend Tech Lead | .NET & Cloud | 60% Cost Reduction | 99.99% Uptime

UK-based (UK & Australian citizen)

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SUMMARY

.NET developer with 20 years in enterprise software. Delivered for ASX200 clients, including AusGrid (1.8M customers), Bunnings (2M+ app users), and Australian Unity (\$8.5B FUM), leading teams of 3 to 10 developers. Currently broadening into Python/FastAPI at an AI startup. Track record: 40% performance gains, 60% infrastructure cost reductions, 99.99% uptime on high-traffic systems.

Seeking tech lead or senior developer roles.

EXPERIENCE

Lead Backend Engineer | Carbontrac (Contract)

Aug 2025 - Present

AI platform integrating with supermarket loyalty apps to score purchases by carbon impact and reward sustainable choices

- Sole backend developer with full architecture ownership and direct founder collaboration, responsible for architecting and developing the platform from inception.
- Built FastAPI/Python REST APIs with PostgreSQL and Redis, using CQRS and event sourcing to support 5,000+ daily active users with sub-100ms response times.
- Deployed multi-environment AWS infrastructure (ECS Fargate, RDS, CloudFront, Cognito) using Terraform/Terragrunt with GitHub Actions CI/CD and scheduled scaling for cost optimization.

Independent Developer

May 2024 - Jul 2025

Career break for family caregiving. Built and launched a subscription tracking app to production.

- Shipped full-stack .NET Core API with React frontend and PostgreSQL to production, with Stripe payment processing and Auth0 authentication.
- Deployed to Azure Kubernetes Service (AKS) with GitHub Actions CI/CD.

Senior Developer | Aceik

Mar 2022 - May 2024

Enterprise digital transformation consultancy serving ASX200 clients

- Led AusGrid cloud migration (1.8M customers), moving 15+ legacy .NET Framework APIs to .NET Core/Azure App Service with Clean Architecture, achieving 40% performance gain (500ms → 300ms response times) and 99.99% uptime.
- Reduced onboarding time by 30% for new developers through architecture documentation and pair programming.
- Built content delivery platform for McGrath Estate Agents (35,000+ properties) using Sitecore, Azure Service Bus, Redis caching, and real-time data sync across multiple listing sources.
- Architected headless Sitecore CMS for Queensland Museum using Next.js frontend with .NET Core APIs on Azure Container Apps, serving 500K+ annual visitors with 99.9% availability.

Senior Sitecore Developer | Australian Unity

Jun 2021 - Mar 2022

Major Australian financial services provider, including banking, insurance, and healthcare (\$8.5B funds under management)

- Directed platform consolidation project merging seven legacy systems into a unified Azure-hosted solution, reducing infrastructure costs and eliminating 60% operational overhead across business units.
- Redesigned CI/CD pipelines with Azure DevOps, adding parallel processing and artifact caching, cutting deployment times from 45 to 8 minutes with zero-downtime releases.
- Established performance engineering practices using K6 load testing and Application Performance Monitoring to identify bottlenecks and improve performance.
- Led technical team of 5 developers, implementing coding standards, conducting architecture reviews, and mentoring junior staff.

Senior .NET Developer | AKQA

Apr 2020 - Jun 2021

Leading digital agency working with major Australian brands

- Built Sitecore Commerce e-commerce platform with Docker/Kubernetes (AKS) for NHP Electrical (AUD 255M revenue), delivering real-time stock pricing across a 24-branch distribution network.
- Led Bunnings Warehouse mobile app development (\$16.9B revenue, 350+ stores), building a React Native solution with TypeScript, secure payments, and offline-first architecture for 2M+ users.
- Established Design System framework, creating a reusable component library with automated testing, reducing development time by 40%, and ensuring consistent UX across multiple applications.

Earlier Experience

Australia (2009-2019) — Senior Sitecore Developer and Principal Consultant at Lightmaker, AKQA, Deloitte Australia, Loud & Clear, and Aceik, delivering e-commerce and digital transformation platforms for major retail and government clients.

UK (2006-2008) — Lead Developer at Lightmaker, building web applications for clients including Microsoft Research, Sony, Nintendo, and Electronic Arts.

SKILLS

Primary: C#, .NET, Web API, Entity Framework Core, Azure (Functions, Service Bus, API Management, Container Apps, SQL, Application Insights), SQL Server, Azure SQL Database

Secondary: Python, FastAPI (async), TypeScript, JavaScript, React.js, Next.js, Angular, Vue.js, AWS (ECS, RDS, CloudFront, Cognito, ALB, S3, SES), PostgreSQL, Redis

DevOps & CI/CD: Docker, Kubernetes, Terraform, Terragrunt, GitHub Actions, Azure DevOps

Methodology: Agile, Scrum, Pair Programming

Testing & Quality: XUnit, pytest, Selenium, Playwright, K6

Architecture: Microservices, Distributed Systems, CQRS, Event Sourcing, Event-Driven Architecture, Domain-Driven Design, RESTful APIs, OAuth

AI Integration: OpenAI API, LangChain, RAG pipelines | **AI-Assisted Development:** Claude Code, Cursor

EDUCATION

BSc (1st class Hons) Multimedia Technology and Design – University of Kent