

Bradley Malgas

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SUMMARY

Independent senior software developer with 5 years of experience building scalable cloud-native systems, secure backend services, and applied data workflows. Proven ability to lead projects end to end, from architecture and infrastructure provisioning to backend API development, deployment automation, and operational support. Skilled in C# and .NET, TypeScript, Azure, Supabase, Postgres, Next.js, LangGraph, LangChain, tool-enabled model workflows, structured outputs, data extraction, classification pipelines, and secure system design. Adept at troubleshooting distributed systems, improving delivery reliability, and turning complex data into practical product features.

EXPERIENCE

Senior Software Developer (Contract)

Secret Sauce

April 2025 - April 2026

- Delivered Azure infrastructure, CI and CD pipelines, container apps, networking, and custom domains for a banking product enablement platform on a contract basis.
- Built secure backend-for-frontend services with Entra ID and JWT authentication, role-based access, and Log Analytics monitoring.

Specialist: Software Developer & Signing Technical Pre-Sales

Altron Security

April 2024 - March 2025

- Guided over 10 clients in implementing API-based solutions for automated document workflows, improving their integration time by 40% on average.
- Collaborated with UK-based product teams, enhancing SaaS document workflow and signing solutions. Enabled 20% faster issue resolution through effective cross-border coordination.

Software Developer

Investec

January 2021 - March 2024

- Mastered Azure DevOps for daily operations, ensuring a seamless development workflow and improving team efficiency by 30%.
- Configured and deployed resources in Azure using infrastructure-as-code, reducing deployment time by 50% and minimizing manual errors.
- Developed backend API endpoints in C# to enhance application functionality, leading to a 20% increase in system performance.

PROJECTS

Private Data Analytics Platform

Independent Project

2025 - Current

Built a private data analytics platform using Next.js, TypeScript, Supabase, Postgres, LangChain, LangGraph, and local and hosted language models. Designed checkpointed workflows with dynamic tool schemas, streaming responses, structured outputs, and read-only data access. Built ingestion, classification, validation, and analysis workflows with lookup maps, batch classification, confidence thresholds, entity extraction, retries, and data quality checks.

Product Enablement Platform

Banking Client

April 2025 - April 2026

Led the design and delivery of a secure cloud platform supporting banking product enablement. Owned infrastructure, pipelines, networking, containerization, authentication, backend services, and reusable deployment patterns. Improved release reliability by standardizing infrastructure-as-code and deployment automation.

EDUCATION

Microsoft Certified - Azure Data Fundamentals | Security, Compliance, and Identity Fundamentals | Azure AI Fundamentals | Azure Fundamentals

Microsoft

Computer Science Honours

University of Cape Town

SKILLS

- Azure Cloud
- Microsoft Certified
- C# and ASP.NET Core
- PostgreSQL
- Local LLMs and LangGraph
- Next.js