GEORGE CHARALAMBOUS

Associate Consultant · Data Engineering

Birmingham, UK | 07565 564614 | g_charalambous@icloud.com | linkedin.com/in/george-charalambous-6682a0266

PROFILE

Data engineer and computing graduate with a broad technical foundation built over seven years of study and hands-on work, spanning data platforms, software development, networking and cybersecurity. Snowflake SnowPro Core certified and comfortable across the full stack, from SQL and Python to Java, C# and modern web frameworks, with a particular interest in applying AI and LLM tooling to real engineering problems. A curious, self-driven learner who has completed more than ten professional certifications in the past year, works well in collaborative Agile teams, and enjoys translating stakeholder needs into clean, efficient and well-tested solutions.

EXPERIENCE

Associate Consultant, Data Engineering | Version 1 — Nov 2025 – Present

Birmingham, UK (Hybrid) · Currently placed on the NatWest account

- Build and maintain stakeholder dashboards that surface usage and performance metrics from NatWest's mobile banking app, turning raw data into insight that informs business decisions.
- Develop and maintain Snowflake stored procedures, views and SQL pipelines that define, extract and validate metrics, working with stakeholders to agree what should be measured and how it is reported.
- Refactor legacy Snowflake procedures and queries for efficiency, readability and maintainability, reducing run-time, compute cost and technical debt in an established codebase.
- Deliver within an Agile team using Git-based version control, code review and documented, testable code (Python, C#).
- **Version 1 Birmingham Academy (Nov 2025 – Feb 2026):** intensive consultant training covering Python & PyTest, SQL/SQLite, Linux & Bash, Agile delivery, consulting skills, HTML/CSS/JavaScript, Java & Spring Boot, design thinking and AI-native development.
  - Capstone project "EcoByte": co-built a carbon-emissions calculator in a team of five using Svelte, Tailwind CSS, Spring Boot, PostgreSQL, Better Auth and Bun, integrating a local LLM (Ollama) to give personalised emission-reduction suggestions; scalability and security treated as first-class requirements.
  - Built a Python/SQLite football team search tool with relational joins and full CRUD, a JavaScript blog application, and a rapid game prototype in Cursor; earned W3Schools Certified SQL Developer (Professional) and Microsoft 365 Copilot + Agents Proficient badge during the programme.

Freelance Web Consultant | Independent project for a UK wealth management firm — Feb 2025 – Present

Remote

- Leading design and development of a responsive company website using WordPress, HTML, CSS and JavaScript, including secure form integration and client-facing resources.
- Capturing user needs, business objectives and regulatory requirements directly from stakeholders and translating them into functional technical outcomes.
- Prioritising accessibility, performance and security in line with modern web standards, while managing scope, timelines and client communication end to end.

Earlier Experience

- **Retail Assistant, Iceland Foods (part-time), Aug 2022 – Oct 2025:** customer service, POS and digital inventory systems, and training new team members, balanced alongside full-time computing studies.
- **Cybersecurity virtual job simulations (Forage), Nov 2024:** Mastercard, AIG Shields Up and Datacom programmes covering threat identification, vulnerability research and remediation guidance, Python scripting, incident reporting and risk assessment.

TECHNICAL SKILLS

Data engineering	Snowflake (stored procedures, views, warehouses, security & performance optimisation), SQL, PostgreSQL, SQLite, data modelling, ETL/ELT pipelines, metrics definition, dashboarding and business intelligence
Languages	Python, C#, SQL, Java, JavaScript, HTML/CSS, Bash
Frameworks & tools	Spring Boot, Svelte, Tailwind CSS, PyTest, Git/GitHub, Linux, WordPress, Visual Studio, Unity, Microsoft Power Apps and Dynamics 365
AI & LLM tooling	Claude API, Claude Code, Model Context Protocol (MCP), agent skills, Ollama (local LLM integration), Cursor, Microsoft 365 Copilot agents, AI ethics and responsible AI
Networking & security	Network design and infrastructure (Cisco Packet Tracer), network security, secure coding, threat and vulnerability management, phishing and incident analysis, risk assessment, GDPR awareness
Practices	Agile/Scrum, SDLC, DevOps and enterprise automation, testing and debugging, code refactoring, systems analysis and design, design thinking, feasibility studies and project planning, green software
Professional	Stakeholder engagement and consulting skills, requirements gathering, technical report writing, presenting, training and mentoring others, Microsoft 365, Adobe Photoshop and Premiere Pro

CERTIFICATIONS

- **SnowPro Core Certification** — Snowflake — Apr 2026 (valid to Apr 2028)
- **Certified SQL Developer, Professional level** — W3Schools — Dec 2025
- **Green Software Practitioner** — Green Software Foundation — Dec 2025
- **Claude Code in Action; Building with the Claude API; Introduction to Model Context Protocol; Introduction to Agent Skills** — Anthropic — Mar 2026
- **Intro to Snowflake for Devs, Data Scientists & Data Engineers** — Snowflake — Feb 2026
- **Deploy and Adopt Microsoft 365 Copilot + Agents – Proficient** — Microsoft — 2025
- **AI Tools in Practice; AI Fundamentals Part 3: AI Ethics** — Version 1 — 2026

EDUCATION

BSc (Hons) Computing, 2:1 | Birmingham City University — 2023 – 2024

Honours project: using AI to build a network infrastructure application. Modules included Application Solutions Development, DevOps & Enterprise Automation (1st), Consultancy & IT Management and Business Systems Solutions.

HND Computing, Distinction | Halesowen College — 2022 – 2023

Distinctions in Business Intelligence, Network Security, Systems Analysis & Design, Architecture and Games Development.

HNC Computing, Merit | Halesowen College — 2021 – 2022

BTEC Level 3 Technical Foundation Diploma in IT, D*D*D* | Halesowen College — 2019 – 2021

ADDITIONAL INFORMATION

Languages: English (native), Greek (conversational). Full UK driving licence.