JOHN (JACK) GRANT-MCINTYRE

jackgrantmc@gmail.com | linkedin.com/in/granty124 | GitHub – Granty124 | tracademic.co.uk

PROFESSIONAL PROFILE

Solo founder and CEO of Mayaztec Ltd, an ICO-registered UK company (incorporated July 2026). Since April 2026 I have independently designed, built, and shipped Tracademic — an AI-powered assignment management app for UK further and higher education students — from first commit through to live release on the Apple App Store and Google Play. I work full-stack across React/Vite, Firebase, and Capacitor, own the product end-to-end (AI feature design, payments, CI/CD, app-store compliance), and run the commercial side of the business: trademark filing, institutional partnerships, pricing, and funding applications.

I hold a First Class Honours BSc in Applied Computing and a Distinction FdEng in Software Development, with a technical background spanning IoT/embedded systems, and — before that — a trade apprenticeship background in vehicle mechanics and joinery that shaped a methodical, hands-on approach to problem-solving. I'm now looking to bring that same end-to-end ownership, speed of execution, and product sense to a development team.

KEY SKILLS

Product & Full-Stack Development

- React, Vite, JavaScript/TypeScript
- Firebase (Auth, Firestore, Cloud Functions, firebase-admin)
- Capacitor — native iOS & Android app wrapping
- Serverless API routes on Vercel
- AI/LLM integration (OpenAI API, prompt design for structured output)
- Stripe and RevenueCat payment integration
- Python, SQL/SQLite
- Git/GitHub, CI/CD (Codemagic), Sentry error monitoring

App Store & Release Management

- Apple Developer Program (org account) & App Store Connect
- Google Play Console & merchant account setup
- App Store review compliance and guideline resolution
- Android Studio signed release builds

Business & Commercial

- UK company formation and ICO registration
- UK trademark application
- Institutional partnerships & B2B pricing (UK HE/FE sector)
- Business planning & funding applications (Start Up Loan, cash-flow forecasting)

Security & Emerging Tech

- Cybersecurity fundamentals — active on TryHackMe (practical labs and CTF-style exercises)
- AI Fundamentals (Cisco Networking Academy)

Professional Skills

- Problem solving under real deadline and compliance pressure
- Fast, self-directed learner
- Organised and methodical approach
- Able to work independently and collaboratively

EDUCATION

BSc Applied Computing (Hons) — Predicted First Class Honours

FdEng Software Engineering — Distinction

Access to Higher Education – IT and Computing — D45

Additional Qualifications: GCSE Mathematics (B), GCSE English (C), Applied Science (C), Level 2 City & Guilds ICT, BTEC Health and Social Care (Distinction), Level 3 Light Vehicle Maintenance, Level 2 Light Vehicle Maintenance, Level 1 Motor Vehicle Qualification (Distinction), Level 2 City & Guilds Site Carpentry, Level 2 City & Guilds Bench Joinery

EMPLOYMENT & EXPERIENCE

Founder & Lead Developer

Mayaztec Ltd — Tracademic — Apr 2026 – Present

- Solo-designed and built Tracademic, an AI-powered assignment management app, from initial concept in April 2026 through incorporating Mayaztec Ltd in July 2026 to live release on iOS and Android.
- Built the founding AI feature: automated analysis of assignment briefs into a structured to-do list, addressing procrastination and unclear starting points for students.
- Developed the full product on React/Vite and Firebase (Auth, Firestore, Cloud Functions), wrapped with Capacitor for native iOS and Android releases, deployed via Vercel.
- Designed a free/Pro subscription model (£4.99/month — weighted grade tracking, UCAS points calculation) alongside a separate institutional licensing model (£12–£15/student/year).
- Integrated Stripe for web subscriptions and RevenueCat as a unified in-app purchase layer across iOS and Android.
- Set up iOS CI/CD via Codemagic and an Android release pipeline via Android Studio and Google Play Console; resolved multiple rounds of Apple App Store review feedback to reach approval.
- Built a two-step, domain-verified institution join flow and supporting admin tooling for partner colleges and universities.
- Filed a UK trademark application (Classes 9, 35, 41, 42) and registered the company with the ICO.
- Led institutional outreach and pilot partnerships with UK further and higher education providers, including Truro & Penwith College.
- Secured funding support via a UK Government Start Up Loan application, including a full business plan and 12-month cash-flow forecast.

Security Officer

Mitie — Apr 2026 – July 2026

- Maintained a safe and secure environment by carrying out regular patrols, monitoring site activity, and following security procedures.
- Managed access control and responded professionally to incidents and concerns, completing clear and accurate incident reports and handovers.
- Remained calm under pressure and made sound decisions in fast-moving or potentially difficult situations.

Student Ambassador

Truro & Penwith College — Oct 2023 – May 2026

- Support visitors, events, and student engagement activities across the college.
- Represent the university centre at events and provide guidance to prospective students.
- Communicate clearly and professionally with a wide range of people.
- Demonstrate reliability, confidence, and professionalism in public-facing situations.

Shop Assistant

ASDA, Falmouth — May 2022 – Apr 2026

- Deliver customer support in a fast-paced retail environment.
- Carry out stock, warehouse, and operational duties while maintaining store standards.
- Work efficiently under pressure and as part of a team.

Apprentice Mechanic

Perranwell Garage, Truro — May 2017 – July 2022

- Diagnosed faults, carried out repairs, and supported restoration work on classic vehicles.
- Used a methodical problem-solving approach to identify and resolve technical issues.
- Contributed to the restoration of a 1960 Mini Deluxe featured in a classic car magazine.

Apprentice Joiner

St Austell Brewery, St Austell — June 2016 – May 2017

- Assisted in bespoke furniture construction and machine operation.
- Worked to deadlines while maintaining quality and safety standards.

Apprentice
GPH Carpentry — Oct 2015 – May 2016
- Assisted with site-based carpentry work and followed health and safety procedures.

Retail Assistant
Animal / Moss Bros / Blue Inc — 2014 – 2015
- Supported customers, maintained stock and displays, and contributed to team performance.

OTHER TECHNICAL PROJECTS

Fog Computing IoT Pipeline (Dissertation Project) — Python, Raspberry Pi 5, ESP32, MQTT
- Designed and implemented a real-time IoT data pipeline to compare cloud and fog computing performance.
- Built a working system using MQTT messaging, edge filtering, and event processing, monitoring latency, jitter, throughput, and reliability.

Educational Science Quiz Application — Python, Kivy, SQLite
- Multi-screen educational application with timed quizzes, difficulty settings, score tracking, and leaderboard functionality, backed by a SQLite database.

Binary Search Tree Visualisation Tool — Python, Pygame
- Interactive application visually demonstrating binary search tree insertion, deletion, and search operations.

Flow Sensor Monitoring System — Arduino, MicroPython, Python UI
- Real-time monitoring system processing serial sensor data into a custom desktop interface, with alert logic for abnormal conditions.

CERTIFICATIONS & LICENCES
- Full UK Driving Licence
- SIA Security Guard Licence
- Cisco Networking Academy — AI Fundamentals
- GARRETT® Racing & Performance Training
- GARRETT® Turbo Expertise Levels 1–4
- Apprentice CSCS Card

ADDITIONAL INFORMATION
- Proven ability to take a product from idea to paying customers entirely solo — product, engineering, compliance, and commercial strategy.
- Comfortable learning new systems, software, and tools quickly.
- Interested in roles involving full-stack/mobile development, product engineering, and technical leadership.
- References available upon request.