

Harry Murray

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Personal Profile

Experienced software engineer with proven expertise in full-stack development within fintech environments, specializing in blockchain integrations and production-level feature implementation. Recently completed a year-long placement at Ctrl Alt, contributing to a tokenisation platform supporting over \$295 million in assets. Demonstrated capability in modern development practices including comprehensive testing, version control, and collaborative development within rapidly scaling teams. Seeking graduate developer opportunities in dynamic technology companies where I can apply my specialized fintech expertise and systematic problem-solving approach.

Education

A-Level Qualifications

- History: A
- System Software Development: B
- Professional Business Services: B

GCSE Qualifications

- 2A*
- 3A
- 4B
- 1 BTEC Merit

Software Engineering – BEng (Hons)

- Year 1 average: 57%
- Studies in progress

Technical Skills

- **Languages & Frameworks:** TypeScript, JavaScript, React, Next.js, HTML, CSS, Python
- **Development Tools:** Git/GitHub, Docker, Jest, Playwright, Storybook
- **Cloud & Services:** AWS (Cognito, Lambda), Blockchain integrations
- **Design Tools:** Adobe Photoshop, Illustrator, Figma

Professional Experience

Software Development Intern – Ctrl Alt, Belfast | Oct 2024 – Aug 2025

- Implemented production-level features for tokenisation platform supporting \$295M+ in assets during company's rapid scaling period
- Mastered full-stack development using TypeScript, Next.js, and React through self-directed learning and practical implementation on production systems
- Developed expertise in blockchain technology and cryptocurrency wallet integrations across multiple networks (Mantra, Ripple, Algorand)
- Gained proficiency in AWS cloud services architecture, particularly authentication systems and serverless functions for user management

- Built strong foundation in modern development practices including version control workflows, code review processes, and systematic debugging techniques
- Acquired comprehensive testing methodologies encompassing unit testing, end-to-end testing, and snapshot testing for early bug detection
- Learned containerisation and environment management skills through Docker implementation and documentation of development workflows
- Enhanced cross-functional collaboration abilities working with designers, product managers, and senior engineers in agile development cycles
- Developed leadership and mentoring capabilities through knowledge transfer sessions and onboarding support during rapid team expansion

Freelance Graphic Design – Jan 2019-2021

- Established a successful freelance graphic design business, serving 90+ clients, receiving a 4.7* average rating on Fiverr.com.
- Utilised self-taught skills in Adobe Photoshop and Illustrator to bring client's ideas to life.
- Developed strong communication and problem-solving skills through customer interactions and repeated revisions on projects until they were perfect.

Freelance Web Development – 10 Oct 2023 – 14 June 2024

- Collaborated with local Belfast business owner to develop e-commerce website solution meeting specific operational requirements
- Conducted weekly client meetings to communicate project progress, gather feedback, and plan upcoming development milestones
- Evaluated and selected Shopify platform based on client needs for efficient product management, inventory tracking, and scalable e-commerce functionality

Additional Experience

Kainos – Virtual Work Experience | June 2021

- Enhanced programming knowledge through structured learning program
- Gained exposure to web development, Python, and cybersecurity fundamentals
- Participated in collaborative problem-solving exercises emphasizing teamwork

Interests

My passion for technology continues to drive my professional development, with particular interest in the intersection of traditional finance and emerging blockchain technologies. The transformative potential of making alternative investments accessible through tokenisation aligns with my commitment to developing solutions that solve real-world problems.

I maintain an active lifestyle through football, currently playing with Lagan Swifts in Belfast, which provides valuable perspective on teamwork, leadership, and continuous learning from experienced colleagues – skills that directly complement the collaborative nature of software development in rapidly evolving technology environments.