

Samuel Connor

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🌐 Portfolio | 🔗 LinkedIn | 💻 GitHub

Full-Stack Developer | Web Applications & Interactive UX

💡 Profile

Full-Stack Developer passionate about modern web applications, performance optimisation, and user experience. Proficient in frontend and backend development, building accessible, scalable, and intuitive solutions. Experienced technical team leader with proven ability to coordinate development teams and deliver complex full-stack applications.

🏆 Key Achievements

- ✓ Led development team as Technical Lead on ApartmentFlow full-stack application
- ✓ Developed a responsive portfolio website optimised for performance (Portfolio)
- ✓ Built full-stack projects integrating React, Node.js, and RESTful APIs
- ✓ Improved web performance and accessibility following WCAG compliance
- ✓ Transitioned from creative industries to full-stack development, combining design thinking and technical expertise
- ✓ Successfully managed project architecture, code reviews, and team coordination

🔥 Core Skills

- 💡 Building interactive web applications, optimising UI/UX, and integrating backend APIs.
- 📄 Frontend: HTML5, CSS3, JavaScript, React, Next.js, TypeScript, Tailwind CSS
- ✂ Backend: Node.js, Express, MongoDB, RESTful APIs, API Integration, JWT Authentication
- ⚙ Development Tools: Git & GitHub, VS Code, Cursor IDE, Jest Testing
- 🔍 Performance & Security: Web Accessibility Compliance (WCAG), Optimisation, API Documentation
- 👥 Leadership: Technical Team Leadership, Project Architecture Design, Code Review & Mentoring

🚀 Projects

ApartmentFlow Full-Stack Application – GitHub

- ✓ Led development team as Technical Lead on comprehensive apartment search platform
- ✓ Built with Next.js frontend and Express/MongoDB backend with JWT authentication
- ✓ Implemented neighborhood information, commute times, and favorite listings management
- ✓ Coordinated team efforts, managed architecture decisions, and ensured project delivery

Event Management App – GitHub | Live Demo

- ✓ Full-stack event management application with Next.js frontend and Express/MongoDB backend
- ✓ Features user authentication, event creation, and real-time updates
- ✓ Led development team as technical lead, managing architecture decisions and code reviews

Portfolio Website – Portfolio

- ✓ Built a fully responsive portfolio showcasing projects and expertise
- ✓ Optimised for performance and accessibility with modern web standards

Castle Adventure Game – GitHub | Live Demo

✓ Developed interactive gameplay with puzzles and inventory mechanics

Star Wars Trivia Quiz – GitHub | Live Demo

✓ Built a structured quiz system with randomised questions and scoring

Rolling Caesar Cipher – GitHub | Live Demo

✓ Created a real-time cryptographic encoding and decoding tool

Open Source Testing Setup – GitHub

✓ Created comprehensive testing infrastructure with Jest, Cypress, and GitHub Actions

✓ Built reusable testing utilities and automated CI/CD workflows for open source projects

✓ Developed universal testing utilities package with 80%+ test coverage requirements

🎓 Education & Training

🎓 The Developer Academy – Full-Stack Development Bootcamp

🎓 Hertfordshire University, Hatfield – Level 4 Diploma in Model Design

🎓 West Herts College, Watford – BTEC Level 3 in Film

📖 Level 2 Diploma in Digital & IT Skills – Gateway Qualifications

👛 Experience & Transferable Skills

🏠 Prop Modeler (House of the Dragon, Cats) – Strengthened attention to detail, vital for structured coding

🔑 Admissions Host (Warner Bros. Studio Tour) – Developed problem-solving and user engagement principles

🧠 Creative Media Skills Course (Pinewood Studios) – Applied design thinking to interactive projects

🌐 Technical Interests

⚡ Full-Stack Development – Scalable, high-performance applications

🧠 Interactive Web Design – UX/UI enhancement techniques

👤 Game Mechanics & Logic – Designing immersive interactions

💡 Web Performance & Accessibility – Speed, SEO, and inclusivity compliance

👥 Technical Leadership – Team coordination, project management, and mentorship