Samuel Connor

📍 Bricket Wood, St Albans, AL2 3SW

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🌐 [Portfolio](#) | 🔗 [LinkedIn](#) | 💻 [GitHub](#)

Software Engineer | AI/ML & Full-Stack Web

💡 Profile

Full-stack engineer with hands-on experience in React, Next.js, Node.js, TypeScript, and Python. Passionate about building robust web and AI-powered applications, with real-world use of OpenAI/ChatGPT APIs and prompt engineering. Experienced in rapid prototyping, CI/CD, and collaborating in agile teams. Currently developing LLM-driven features for user-facing automation and content generation. Quick to learn new technologies and frameworks, leveraging AI coding tools to accelerate development and adapt to new stacks.

🏆 Key Skills

- React, Next.js, TypeScript, JavaScript (ES6+), Node.js, Express
- Python (automation, scripting, API integration)
- OpenAI/ChatGPT API, Prompt Engineering
- MongoDB, RESTful APIs, JWT Auth, CI/CD, Git & GitHub, Vercel
- AI-assisted development (Cursor, Copilot), Rapid Prototyping, Product Iteration
- Team Collaboration, Code Review, User Feedback Loops

🛠 Current Projects

- Building a full-stack application leveraging ChatGPT (OpenAI API) for user-facing automation and content generation. Focused on prompt engineering, rapid prototyping, and user feedback. (Private repo, launching soon)

🚀 Projects

ApartmentFlow Full-Stack Application – [GitHub](#)

✓ Technical lead on a comprehensive apartment search platform (Next.js, Express, MongoDB, JWT)

✓ Implemented user authentication, property search, and real-time features

✓ Led team collaboration, code reviews, and product iteration

Event Management App – [GitHub](#)

✓ Full-stack event management with authentication, event creation, and real-time updates

✓ Used Next.js, Express, MongoDB, JWT; managed team code quality and delivery

Portfolio Website – [Portfolio](#)

✓ Built a fully responsive, accessible portfolio showcasing projects and expertise

✓ Optimized for performance and accessibility

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

Castle Adventure Game – [GitHub](#)

✓ Developed interactive gameplay with puzzles and inventory mechanics (JavaScript, OOP)

Star Wars Trivia Quiz – GitHub
✓ Built a structured quiz system with randomised questions and scoring (JavaScript, Tailwind CSS)

Rolling Caesar Cipher – GitHub
✓ Created a real-time cryptographic encoding and decoding tool (JavaScript)

🎓 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): Attention to detail, structured problem-solving

- Admissions Host (Warner Bros. Studio Tour): User engagement, communication

- Creative Media Skills Course (Pinewood Studios): Design thinking, project delivery

🌍 Technical Interests

- Full-Stack & AI Product Development | Prompt Engineering | Rapid Prototyping | Product-Led Growth | Team Collaboration