

Profile

Backend-focused Software Engineer with 4 years of full-stack experience in C# .NET and Flutter, building scalable, data-driven platforms across Azure and AWS. Skilled in designing resilient backend architectures, optimizing performance, and delivering clean, maintainable code

Work Experience

Axia Digital

Batley, UK

Web Developer

Sep 2022–Present

- Worked on a **project-based** model, independently managing end-to-end development
- **Mentored interns** and provided training and support for learning and development
- Performed **code reviews**, improving readability, use of good practices and bug-free implementation
- Authored and **budgeted change requests**, detailing resources, timelines, and scope
- Minimized false positives in Azure WAF through OWASP rule tuning and custom rule creation
- **Developed and deployed cross-platform** mobile apps in Flutter using Xcode and Android Studio
- Optimized XML generation for APIs, reducing memory overhead loading times by 500%
- **Debugged** UX and backend issues improving user interactions and enhancing system reliability
- Integrated AWS S3 storage for video streaming enabling seamless content delivery at scale.
- Implemented a **two-factor authentication** in .Net MVC using Google Authenticator

Axia Digital

Batley, UK

Web Developer Intern

Sep 2021–Aug 2022

- Designed and **developed** an interactive **CV builder** improving user engagement by 20% for the ICF
- Responded to **escalated support** queries and helped **recover** during downtime
- Delivered new features by implementing **user stories** while outlining associated costs and TTC
- Initiated a company wiki for the in-house software, **improving onboarding** processes by 50%
- Led client **meetings**, providing **insights** and **alternatives** towards achieving project goals
- **Implemented and Integrated** RESTful APIs including Google Analytics and payment gateways
- **Restructured legacy codebases** improving development cycle time 20%
- Optimised XSLT templates improving LCP and CLS performance metrics

Education

University of Huddersfield

BSc. (Hons) Computer Science. (1:1)

Sep 2019–Jul 2023

- Recipient of the Mark Humphreys Memorial Prize for outstanding achievement during placement year. Won for personal and professional growth and expanding the company's domain by developing their first mobile app
- Key modules: Computational mathematics, Data Structures, Algorithms and Processes, Web Development and Integration, Hardware and Networking, Artificial Intelligence

Skills

Languages: JavaScript, C++, C# .NET, SQL, Python, React, Blazor, HTML/CSS, XSLT, Flutter/Dart

Other: Mathematical Modelling, Object-Oriented Design, MVC, Unit Testing

Tools: Postman, Git, Azure DevOps, UML (Lucid chart / Visual Paradigm)

Soft Skills: Agile Development, Mentoring, Pair Programming, Code Reviews

Projects

- **Fluid simulations:** Applied computational mathematics to model dynamics via Navier-Stokes – Real-time simulations using C++ and OpenGL.
- **Cross-platform app in Flutter:** Centralised 30+ e-Portfolio sites, boosting user engagement by 20%
- **Full stack web app:** Built in React.js, Node.js, Express.js and MySQL. Featuring RESTful APIs, Unit testing, API documentation, error handling and validation