

Profile

Software Developer with 4 years of full-stack experience in C# .NET and Flutter, with expertise in building scalable, data-driven platforms and web applications. A versatile generalist with a strong grounding in modern development methodologies, aiming to move into a Software Engineer role with a focus on backend systems and software architecture.

Work Experience

Axia Digital

Batley, UK

Web Developer

Sep 2022–Present

- Delivered **five exclusive projects** for NHS, UHCW, TSET, ATU and RCSI
- Developed and deployed mobile apps** increasing project revenue and engagement
- Optimised server responses in XML, **reducing memory usage and improving loading times** by 30%
- Applied recursive **tree traversal** algorithms in XSLT for data analysis reducing time complexity
- Integrated** third-party services including **Google Analytics** and payment gateways for all client sites
- Implemented **efficient indexing and query structures** in a data warehouse, enabling real-time dashboards and faster data retrieval.
- Integrated AWS S3 storage with video streaming enabling seamless content delivery at scale.
- Implemented a **two-factor authentication** system for all client sites, enhancing security
- Restructured legacy codebases** improving development cycle time 20%
- Authored and **budgeted change requests**, detailing resources, timelines, and scope
- Mentored interns** and provided training and support for learning and development
- Performed **code reviews**, improving readability, use of good practices and bug-free implementation

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
- 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

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, Angular.js, Blazor, HTML & CSS, XSLT, Flutter

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