

# SIBTAIN ALI *Software Developer*

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 Website

 GitHub

 LinkedIn

## Profile:

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Results-driven Software Developer with 4+ years of experience building data-driven CPD and accreditation platforms for high-compliance environments, including NHS England and ACCA Global. Brings advanced C++ expertise alongside strong foundations in systems engineering and full-stack development.

## Work Experience:

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### Software Developer, Axia Digital

09/2022 – 10/2025 | Batley, UK

- Led the end-to-end development of platforms serving 20K+ users for high-profile clients including NHS England and ACCA Global.
- Developed a cross-platform Flutter application integrated with existing REST APIs, leveraging biometric authentication and encrypted storage for secure session management.
- Minimized false positives in Azure WAF through OWASP rule tuning and custom rule creation.
- Enhanced a proprietary ASP .NET low-code / CMS engine by implementing HTTP range request protocols for high-performance video streaming.
- Optimized dashboard performance by implementing server-side data processing and caching, reducing client-side load by 5x.
- Managed the end-to-end release lifecycle for iOS and Android, executing code signing and ensuring distribution compliance for the App Store and Google Play.
- Engineered a verifiable credentialing system using Open Badges (JavaScript), embedding encrypted metadata into PNGs to enable secure, portable achievement tracking.
- Mentored junior developers and conducted peer code reviews, championing best practices to improve overall code quality and streamline team onboarding.
- Authored and budgeted project change requests with a 100% client approval rate, ensuring clear alignment on scope, technical requirements, and delivery timelines.

### Web Developer Intern, Axia Digital

09/2021 – 08/2022 | Batley, UK

- Engineered a custom theme-based CV builder, achieving a 100% ATS parse rate and increasing user engagement by 10%.
- Integrated GA4 via Tag Manager with custom event triggers to monitor and analyze feature adoption.
- Modernized internal documentation with UML diagrams, reducing developer onboarding time by 50%.
- Acted as primary POC, leading stakeholder demos to refine requirements and drive solution planning.
- Optimized Core Web Vitals (LCP/CLS) by 25% through UI component refactoring and async loading.
- Refactored legacy front-end, ensuring full WCAG 2.2 AAA compliance in internal accessibility audit
- Managed rapid incident response and resolved critical escalations to minimize system downtime.

## Skills:

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### Languages

JavaScript, Dart, C#, Go, C++, SQL, XML/XSLT

### Frameworks & Libraries

Flutter, React, Node.js, ASP.NET Core, OpenMPI

### Cloud & Infrastructure

Azure WAF, Azure App Gateway, App Store Connect, Google Play Console

### Methodologies & Tools

Git, GitHub Actions (CI/CD), Swagger, GA4, Linux/Unix, TDD, Agile, UML Modeling

## Projects:

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### **Fluid Simulations, (C++/OpenGL/OpenMPI)**

Built a real-time 2D fluid simulator using Navier–Stokes equations and the Finite Difference Method, leveraging a Red–Black Gauss–Seidel solver and OpenMPI-based CPU parallelization to achieve ~70 FPS on 20 threads

### **HTTP Server from scratch, (Go)**

Built a custom HTTP server with request parsing, chunked transfer encoding, and routing.

### **Data Analytics Pipeline, (C#/NET + SQL)**

Automated competency aggregation, insights generation and performance reporting for healthcare programs.

### **Cross-Platform E-Portfolio App, (Flutter)**

Centralized 30+ E-Portfolio sites into a single unified mobile experience, improving clinician engagement by 20%.

### **Full Stack Web App, (React + Node.js + MySQL)**

Complete system with REST APIs, unit tests, documentation using swagger, and validation.

## Education:

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### **BSc. (Hons) Computer Science (GPA: 4.0),**

09/2019 – 07/2023

*University of Huddersfield*

- Recipient of the Mark Humphreys Memorial Prize for outstanding achievement during placement year.
- Relevant coursework: Data Structures & Algorithms, Operating Systems, Distributed Systems, Computer Networks