

Faisal Ahmed

Full-Stack JavaScript Developer

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🎓 Education

Full-Stack Engineer Career Path,
Codecademy
2024

**BTEC Lvl. 3 Cert. Information
Tech. for Practitioners,**
Harrow College
2011

**BTEC Lvl. 2 Cert. Media Studies,
GCSE Maths, English.,**
Hendon School
2008

👜 Professional Experience

WHSmith, Sales Assistant ✨
2019 – present

- Trusted with opening and closing the store, keeping things secure and running smoothly.
- Ran regular checks on high-risk products to stay compliant and cut down on losses.
- Handled store layout changes, making displays look better and boosting the shopping experience.
- Helped out with tricky till issues, keeping transactions smooth for customers and the team.

👤 Profile

I'm a budding **Junior Full-Stack JavaScript Developer** who was previously dabbling with JavaScript just *for fun..* especially when those random project ideas hit me, like a Twitch Chat Bot. Recently, I took things to the next level by **finishing a coding bootcamp** with the **School of Code** ✨. Now, instead of just working in the **terminal**, I've leveled up to building in the **browser!**

🧠 Skills

HTML (5) • CSS (3) • JavaScript (ES7) •
React.js • Node.js & NPM • PostgreSQL •
Git & GitHub • Next.js • Express.js •
Vitest / Jest / Playwright • TDD & Agile • AWS •
Docker • Caddy • Ubuntu Server •
APT / Flatpak • GitHub Actions • PM2

🧩 Dev Experience

Full-Stack Web Dev Bootcamp, School Of Code
10/2024 | Intensive Remote Learning!

The School of Code wasn't your typical study setup— it felt more like a **9-5 job**. We were always **working together, bouncing ideas off each other**, and just **learning by making things!**

- Pair-programmed with new partners each week, gaining experience in team dynamics and collaboration.
- Learned the full software product lifecycle, from design and stand-ups to building, testing, documentation, and retros.
- Focused on problem-solving and solution research.
- Built front-end web apps in Next.js/React.js and robust servers in Express.js, integrated with PostgreSQL databases.
- Experienced working in Agile environments with daily stand-ups, sprints, and retrospectives.
- Utilized Git for version control and GitHub for managing repositories, branches, and pull requests in a team setting, alongside CI/CD pipelines for automated testing and deployment.

Certificates

NCFE Award Graphic Design
Level 1 and Level 2

**ICQ Employability Skills &
Customer Service**
Level 2

Continuous Learning & Exploration

- **Meteor.js** – Exploring full-stack development with this reactive framework for building web and mobile apps.
- **LangChain.js & AI with RAG (Retrieval-Augmented Generation)** – Experimenting with language models and integrating external data sources to enhance AI capabilities.
- **GraphQL** – Learning to build more efficient, flexible APIs with this powerful query language.
- **Tauri & Electron** – Investigating desktop app development using web technologies with a focus on performance and security.
- **React Native** – Diving into mobile app development to create cross-platform applications using React.
- **Golang** – Developing scalable and performant back-end services using this modern, efficient programming language.
- **Deno & Bun** – Exploring modern alternatives to Node.js for secure, fast, and versatile server-side JavaScript/TypeScript development.

Projects

Footie Friends

<https://footie.fais.al> 

Footie Friends README 

- Developed a full-stack web application, "Footie Friends," using Next.js, API routes, and Server Functions within the App Router framework to address the need for easily accessible extracurricular football activities for children aged 7-11.
- Utilized PostgreSQL to design and manage the database, enabling efficient storage and retrieval of information about local football events.
- Aimed to empower parents by providing a platform to discover and engage with local football opportunities for their children, fostering social interaction and physical activity.

Interactive TypeScript Tutorial

<https://typescript.fais.al/> 

- Created an innovative TypeScript tutorial using Next.js, designed as interactive slideshow software that parses Markdown files for each section.
- Integrated code block highlighting and commentary functionality using react-syntax-highlighter to enhance the learning experience.

What are you up to now?

I'm in the process of developing an all-in-one Chrome Extension to improve Twitch Chat with a focus on third-party emotes. I've had to dive deeper into different JS build systems for the code (Rollup, now Webpack), deeper DOM manipulation (like createTreeWalker), and Mutation Observers. It's hasn't been easy changing live HTML on the fly, but it's a passion project sparked by the frustration of needing multiple extensions in the first place!