


# HAKEEM DAHOU

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## PROFILE

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SC Cleared Software Engineer with over 3 years of hands-on development experience, specialising in front-end technologies including JavaScript, React, Next.js, and TypeScript. Certified AWS Cloud Practitioner.

Proficient in guiding projects from initial concept through to completion, ensuring alignment with both technical and business objectives.

## EDUCATION

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- **Zero to Mastery Academy: Complete Web Developer, Complete React Developer, Advanced JS concepts, DataStructures & Algorithms (2020-2023)**  
HTML5, CSS3, Tailwind, JavaScript, TypeScript, Git/GitHub, NPM, React/Redux, React-Router, HTTP/JSON/AJAX, API's, Node.js, Express.js, SQL, PostgreSQL, Firebase, Stripe, Jest, Enzyme, Webpack
- **University of Birmingham**  
BSc Mathematics (2018)

## EXPERIENCE

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**Software Engineer**

**Hamiltonian Dynamics**

**June 2023 – present**

*Hamiltonian Dynamics is a software consultancy that provides mission critical software to customers in the Cyber Security, Defence and IT sectors.*

**Tech Stack: JavaScript, Typescript, React, Next.js, Python, FAST Api, Tailwind, Material UI, Figma, Docker, AWS, Elasticsearch, Scrum, Jira, Confluence, Git, Gitlab, WSL**

- Development of a greenfield product, the Data Analytics Framework, featuring a microservices architecture comprising circa 50 microservices.
- Led the front-end redesign of the Data Analytics Framework, transitioning from an outdated UI to a modern interface.
- Translating Figma designs to front-end components.
- Successfully migrated the codebase from JavaScript to TypeScript, enhancing code maintainability and scalability.
- Implemented state management using the context API, enhancing application maintainability and performance by transitioning from an architecture with no state management.
- Extensive refactoring of the front-end codebase, resulting in improved reusability, maintainability, and overall performance.
- Provided guidance to junior team members in front-end development technologies (React, Typescript, Next.js).
- Backend development utilising Python FAST API and Elasticsearch for database querying.

*eGain Corporation is a SAAS company providing digital customer engagement solutions to large enterprise clients.*

**Tech Stack: HTML, CSS, JavaScript, React**

- Develop custom demo templates based on specific client requirements.
- Branding of common demo templates to match client branding.
- Develop custom components for analytics demo system.
- Consultation with prospects and existing clients to gather and document technical and non-technical requirements for their digital transformation projects.
- Translating client requirements and expectations into custom product demonstrations by designing, developing and demonstrating eGain solutions that meets those needs.
- Responding to RFI/RFP documents to answer technical & non-technical questions about our products and services.

**Bulb Energy - Energy Specialist****Intelling Ltd - NHS Track & Trace Customer Associate****First Recruitment Group - Recruitment Consultant****FourPointZero Recruitment - Recruitment Consultant****Jan 2021 – March 2022****May 2020 – Jan 2021****Aug 2019 – March 2020****Sep 2018 – Feb 201**

## PERSONAL PROJECTS

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**Country Stores – E-commerce Website – React, Next.js, Context API, Typescript, Tailwind, Figma, AWS**

- Developed an E-commerce website for a country shop using React and Next.js.
- Utilized Context API and Typescript for state management and type safety.
- Implemented a responsive and visually appealing UI using Tailwind CSS, with design collaboration in Figma.
- Deployed the website on AWS.

**Crwn-Clothing - E-Commerce Website – React, Redux, TypeScript, Sass, Stripe, Firebase, Netlify, Jest, Enzyme**

- Built an e-commerce website where users can login, add items to cart, checkout and more.
- Login – basic authentication and Google Sign-In through integration with Firebase.
- Integration with Stripe API for payments.
- Redux for state management of application.
- Deployed through Netlify.
- Testing with Jest & Enzyme.

**Smart-Brain - Facial Recognition Application – React, Tachyons, Clarifai API, Node, Express, PostgreSQL, Heroku**

- Built a facial recognition project, where users can login, upload an image and the faces in the images will be recognised and highlighted. UI built in React.
- Built back end server in Node and Express to communicate with PostgreSQL database to authenticate users and store other user information.
- Facial Recognition is done through integration with the Clarifai API.
- Deployed through Heroku.