

# Hector Obanana

Junior Software Developer

Peterborough (Open to relocation)

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## Personal Profile

I am making an exciting career change into software development, making use of my problem-solving and analytical/logical thinking skills I have developed in my former career in the electrical engineering field. I took a 13-week boot camp in software engineering under a multi-award-winning tech education program at Northcoders to advance my knowledge in coding so I may gain the tools to build projects with increasing complexity as well as experience working in a team environment to help me kick-start my career in the software development industry.

## Technical Skills

Languages: JavaScript, Typescript

Front-End: HTML, CSS, React, React-Native (Expo), Axios, Tailwind CSS, Redux, SCSS

Back-End: PostgreSQL, node-Postgres, Express, Node.js, MongoDB, Mongoose

Testing: Test-Driven Development (TDD), Jest, Supertest

Hosting: Render, Netlify, ElephantSQL

Others: Object-Oriented Programming (OOP), Test-Driven Development (TDD), AGILE, SCRUM, KANBAN, Git, Stripe

## Projects

### Events Platform

This project serves as a platform for a small community business where the staff of the business can create and share events with the members of their community. A community member can sign up and add the event to their google calendar if they opted for it. The events can be free, or paid for, with the option for open price where the members can buy the ticket for how much they feel it is worth.

Link to App: <https://eventsplatform-tr.netlify.app/Home>

Technologies used: Typescript, React, Redux, Axios, SCSS, React-Stripejs, Nodejs, Express, Firebase (User Authentication and Storage), Google API (Google Calendar), MongoDB, Mongoose, Stripe, Jest, Supertest, Nodemailer

### ProjectManager

Currently an ongoing personal project, ProjectManager is a Kanban-style project management tool that is inspired by the software Trello. The purpose of this project is for me to explore and learn new technologies, such as Typescript and Redux, and to further develop my skills as a full-stack software developer.

Technologies used: React, Tailwind CSS, JavaScript, Typescript, Redux, JWT, Axios, Express, NodeJS, MongoDB, Jest, Supertest, Mongoose

### Personal Portfolio v1.1

A personal portfolio to house all my projects. I made my portfolio with React, JavaScript and Tailwind CSS.

Link to App: <https://hectorobanana.netlify.app/>

Technologies used: React, Tailwind CSS, JavaScript

### Swim Wild

A social platform for a trend of wild swimming. The app provides a blend of user-generated and web-scraped content to inform users about nearby swimming spots that feature safety considerations. Users can share their swimming experience with others, use statistics about their swimming history, and learn more about their favourite spots via our API network and analysis of user content.

Technologies used: React Native, MongoDB, Google Maps API, Firebase, Jest, Node.js, Redux

### Personal Portfolio v1

Earlier version of my portfolio. Made with vanilla HTML, CSS, and JavaScript.

Link to App: <https://hjaox.github.io/>

Technologies used: HTML, CSS, JavaScript

### NC News Front-End Project

The purpose of this repository is to serve as a front-end architecture for the back-end API that I have built (See NC News Back-end Project).

Link to App: <https://nc-news-hjaox.netlify.app/>

Technologies used: React, JavaScript, CSS, Axios

### NC News Back-End Project

The purpose of this repository is to learn how to build an API for accessing application data programmatically. The intention is to mimic the building of real-world backend services, which should provide information to the front-end architecture.

Technologies used: JavaScript, PostgreSQL, Express, Jest, Supertest, node-Postgres

## Experience

### **Junior Full Stack Software Developer – Freelance (Jul 2023 – Sept 2023)**

### **Junior Full Stack Software Developer (Contract), Tech Returners (March 2023 – April 2023)**

Built an events platform designed for a small community business where the staff can create and share events to the members of the community. The platform has a payment system where the events can be paid for but has an option to be free depending on the event creator. It also has a ticket mailing system where the customer will be notified of their purchase upon a successful transaction. The platform can also add the event to the customer's Google Calendar if they opted for it.

### **Junior Full Stack Software Developer, Northcoders – Software Engineering Bootcamp (Jul 2023 – Sept 2023)**

During the 13-week Bootcamp, where I learned the fundamentals of full-stack development, I acquired the fundamentals of JavaScript, which helped me create a back-end service to provide data for the front-end architecture that I have built. All throughout the process, I aimed to build clean, testable codes by following the test-driven development process with agile methodologies while both working solo or working with colleagues through pair-programming or group projects.

### **Plant Operator, SUEZ Water Technologies and Solutions UK L P (Feb 2022 – Sept 2022)**

- Quality control of different types of water treatment equipment
- Troubleshooting electrical and control systems in fleet equipment

### **Admin Staff, Clippers Logistics (PE3) under Staffing Match Agency (Aug 2021 – Feb 2022)**

- Cooperating with several departments to allocate orders for e-commerce and retail customers

### **Technician, Bake n'Cake in Dubai (Nov 2019 – Mar 2020)**

- Maintaining equipment operation and other electrical systems in the building

### **Building Engineer, First Oceanic Property Management Inc. In Philippines (Mar 2017 – May 2018)**

- Managing the operation of the building (Three Techno Place Building), both staff (Security, Housekeeping, and Maintenance Crew) and equipment systems (Mechanical, Electrical, etc.)
- Performing basic in-house preventive maintenance, daily and monthly, of building systems

### **Site Engineer, Golden Sky Trading and Engineering Services WLL in Qatar (Jul 2015 – Mar 2016)**

- Design and help fabricate Motor Control Panels/Protection (MCP)
- Supervision of manpower on other tasks

## Education

**Central Philippine University:** Bachelor of Science in Electrical Engineering

**UK Comparison Framework Levels:** RFQ Level 5 / SCQF Level 8 / CQFW Level 5

**Comparable UK Qualifications:** Foundation Degree / BTEC Level 5 / SQA Higher / National Diploma (HND) (SCQF Level 8)