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Profile

Junior full-stack developer with two years' experience in JavaScript and Python with proficiency in React, NodeJS, HTML, CSS, Vue, Express, Django and PSQl. I'm actively learning Ruby on Rails and building a personal project to deepen my development skills.

I've completed two intensive Software Development bootcamps — Northcoders JavaScript and a prior Hyperion Python course (in association with Imperial College London) — gaining project experience in developing full-stack applications, RESTful APIs with MVC architecture, DRY code which is maintainable, written to conventional standards and thoroughly tested using testing frameworks such as Jest.

Whilst on the Northcoders course, I realised how well I thrive in agile, collaborative environments. Whilst working within a team, on a two-week intensive, rapid development of a financial tracking web application, I would often facilitate stand ups and technical project meetings. Given the fast paced nature of the project, it proved vital to ensure we were all organised and had everything we required to reach our MVP.

Before moving into tech, I spent six years as a Transport Planning Consultant, developing strong analytical thinking, communication (within team and external stakeholders) and project delivery skills — all of which now support my methodical, quality-driven approach to software development.

In the short term, I'm looking to become proficient with your processes and provide an excellent level of service and contribution to the team. I'm a good student and will make it my up-most priority to progress quickly in the wide range of technical areas required. Looking ahead, my career aspiration for the longer term is to develop into a quality senior full-stack developer, succeeding together as part of a team.

Please have a look at my hosted web applications via the links in my experience section below - most notably **Budgee** and **NC-News**.

Technical Skills

Languages: JavaScript (ES6+), Python, *Ruby - (in progress)*, Regex.

Front-end: React, Vue, HTML5, CSS3, Tailwind, Bootstrap, Flexbox, Responsive & Mobile-first Design.

Back-end: Express, Django, PostgreSQL, *Rails - (in progress)*, MongoDB.

Testing: Jest, React Testing Library, Test-Driven Development (TDD).

Version Control & Tooling: Git, GitHub, NPM, Node.js.

Deployment: Netlify, Render, Supabase.

Other: Agile methodology, pair programming, sprint planning, standups, technical communication, project management under tight deadlines.

Extras: Accessibility standards (WCAG), familiar with React Native, commitment to ongoing learning.

Experience

Jan - April 2025 Software Development, Northcoders

Northcoders help passionate individuals transform their careers by teaching them the skills they need to become a full-stack software developer. This particular course focuses on JavaScript with both back-end and front-end modules culminating in a team project.

Learning Outcomes and Experience:

- **Test Driven Development** - interacting with nested data, confident of its stability and reliability.
- **Pair Programming** - which has exposed me to working with a wide variety of different styles.

Notable Projects:

- **Budgee Financial Tracking App**
 - Hosted web application: <https://budgee-nc.netlify.app/>
 - Hosted backend API: <https://budgee-be-rp4l.onrender.com/api>
- **NC-News App**
 - Hosted web application: <https://nc-news-alex-graham.netlify.app/>
 - Hosted backend API: <https://backend-nc-news-app.onrender.com/api>

Mar 2024 - Present Portfolio Projects

I've continued to work on my portfolio since completion of the Imperial College London course. In order to maintain a creative approach to problem solving, I've also kept a daily HackerRank and CodeWars routine.

Notable Projects:

- **Recipe World** - Cooking website created using Django where users can upload their recipes and rate other user's recipes. The website includes an app for authentication which allows users to create an account and login or logout accordingly. (github.com/ossidion/recipe_world_1).
- **Word Processor Tool** - Allows the user to enter text which is stored as an object instance. Users are able to edit and style text - for instance, bold, italic, underline and text or background colour change.
- **Camping Store Shopping Cart** - an e-Commerce module where users update shopping cart using various functions. (github.com/ossidion/Camping-Store-Shopping-Cart).
- **Data Scraping Module** - Lifting tabular data from specified web URL.

Nov 2023 – Mar 2024 Software Engineering, Imperial College London & Hyperion Development

Hyperion Development, partnered with Imperial College London, aim to provide technical education to hardworking career switchers. This course focuses on an in-depth exploration of Python with various tasks set throughout. I achieved a grade of 99% (hyperiondev.com/portfolio/204268).

Notable Projects:

- **Data Validation: Application for Mountaineer** - Using Object Oriented Programming (OOP), users are able to create a new application to become a mountaineering guide. The code validates data as the user navigates.
- **Final Capstone** - (github.com/ossidion/finalCapstone).

Feb 2020 – Feb 2024 Town Planner (Transport Specialism) – Pegasus Group, Bristol

- Project management responsibilities, high professionalism level and liaising with both team and clients.
- Integral member of technical team meeting fast-paced deadlines in high pressure situations.

Jul 2017 – Jan 2020 Traveling - South America, Australia and Canada.

- Learning Spanish in South America and working as a barista in Melbourne.

Further experience available upon request.

Education

Jul 2012 – Sept 2014 MSc Planning Practice & Research, Cardiff University (Course Representative)
Taught modules: Merit | Dissertation: Pass
Cardiff University Rowing Team: Integral part in competitions and workout programme.

Sept 2009 – May 2012 BSc (Hons) Geography, University of Glamorgan (University of South Wales)
Overall grade: 2.1, British Trust for Conservation Volunteer, Basketball University Team

Interests

Guitar - in the evening after a day of problem solving, very therapeutic.

Watercolours - landscapes and architecture, mostly when traveling or with friends.

Basketball - love to stay fit, basketball is a great motivator for me.

Web Development - currently building an app for book lovers.