

# NATHAN DYER

## Junior Software Developer

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### SUMMARY

Aspiring Software Developer with a strong foundation in web development, a Bachelor's degree in Computer Science, and over two years as a Data Analyst. I bring strong technical proficiency and a passion for innovation to the tech industry. My analytical thinking, problem-solving abilities, and collaborative nature drive data-driven decisions and enhance productivity. With excellent communication skills, I convey complex technical concepts effectively, fostering collaboration. I am eager to leverage my expertise to contribute to innovative projects and drive technological advancements in a new role.

### EXPERIENCE

#### Full Stack Web Developer

##### CoachFlow (Freelance)

08/2024 - Present    London, United Kingdom

- Developing a coaching platform to streamline the coach-client experience.
- Utilized Webflow for responsive, visually appealing front-end layouts, adhering to best practices in UI/UX design to enhance user engagement and accessibility.
- Managed application state and interactions with Wized, ensuring dynamic, data-driven functionality and seamless integration of backend services.
- Built and optimized RESTful APIs using Xano to handle core database operations, user authentication, and scalable data workflows, ensuring high performance and reliability.
- Followed industry best practices for state management, database design, and front-end development, resulting in a scalable, maintainable, and user-friendly platform.
- Working within a small team, leveraging Trello to manage project milestones, track progress, and implement feedback effectively.

#### Senior Reporting Analyst

##### UK Health Security Agency

03/2023 - 09/2023    London, United Kingdom

- Spearheaded the migration from Tableau to Power BI, realizing £500,000 in annual cost savings while improving data accessibility and visualization capabilities across the organization.
- Designed and maintained high-quality Power BI dashboards, including the LFD End-to-End dashboard, providing comprehensive insights into the historical and current utilization of LFD kits throughout the UK and NI.
- Leveraging the power of DAX and Power Query, enabling efficient development of impactful dashboards and streamlined reporting processes.
- Delivered upskilling sessions to new and existing team members, ensuring effective adoption of Power BI and Excel for data analysis and reporting.
- Enhanced data visibility and operational decision-making by continuously optimizing dashboards to meet evolving organizational needs in a high-paced COVID-response environment.

#### Data Analyst

##### UK Health Security Agency

03/2022 - 03/2023    London, United Kingdom

- Improved reporting accuracy and reduced human error by automating key data workflows and enhancing quality-of-life processes through SQL, Excel, and Python analyses.
- Contributed to life-saving efforts by supporting the development of accurate models to estimate care home outbreaks, enabling targeted interventions during the COVID-19 pandemic.
- Delivered high-quality dashboards and reports to stakeholders, ensuring data integrity and adaptability to evolving requirements.
- Conducted upskilling sessions for team members, focusing on advanced Excel techniques and effective reporting processes to enhance analytical capabilities.
- Managed task prioritization and allocation using Jira, ensuring efficient responses to both regular and ad hoc data needs in a fast-paced environment.

#### Booking Portal Capacity Officer

##### UK Health Security Agency

01/2021 - 03/2022    London, United Kingdom

- Reduced task completion times by over 75% through developing JavaScript automations and migrating workflows to a cloud-based AirTable system, enabling seamless collaboration and enhanced productivity.
- Led documentation efforts, creating thorough implementation guides, process documents, and conducting upskilling sessions to ensure team members and new employees could onboard efficiently and effectively.
- Coordinated the delivery of 550,000 COVID-19 tests to over 1,000 UK sites daily, adapting to evolving guidelines while maintaining operational excellence.

### EDUCATION

#### BSc Computer Science (Software Engineering)

##### University of Hertfordshire

2017 - 2020    Hertfordshire, United Kingdom

- Award Result: First Class Honours
- Modules: C Family, Database Concepts, AI, Software Quality, Software Engineering Practice, Object Oriented Development, Algorithms and Data Structures

### COURSES

#### Front End Development Libraries

##### freeCodeCamp Certification

July 26th 2024

#### JavaScript Algorithms and Data Structures

##### freeCodeCamp Certification

July 11th 2024

#### Responsive Web Design

##### freeCodeCamp Certification

June 11th 2024

### LANGUAGES

- ◆ JavaScript    ◆ TypeScript    ◆ HTML    ◆ CSS  
◆ Java    ◆ Python    ◆ DAX    ◆ SQL

### SKILLS

React	Redux	Node.js	Express.js
Flask	SQLite	MongoDB	MySQL
Git	VS Code	Postman	Agile
RESTful API	Zustand	Router	

### FEATURED PROJECTS

#### Full-Stack Application

##### Catch Logger

Independent Passion Project

- A full-stack application built on Vite using the React Typescript paired with Chakra UI for the Frontend. The Backend is built on Flask, FlaskSQLAlchemy and SQLite for the database.

#### Full-Stack Application (in Progress)

##### Catch Logger MERN

Independent Passion Project

- A full-stack application built on Vite using the MERN stack: React Typescript paired with Tailwind CSS and daisyUI for the Frontend. The Backend is built on Express and using MongoDB for the database. This app features user authentication, cloud storage and real-time updates.

### ADDITIONAL INFO

#### Career Break

##### Travelling, SE Asia & Australia

09/2023 - 06/2024