

JONATHAN WATSON

JUNIOR SOFTWARE DEVELOPER

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Summary

Highly motivated software developer with a mix of skills developed through hands-on projects, courses, and self-studies. My passion for learning drives me to continuously improve my skills and stay up to date with the latest technologies. As a quick learner and an adept problem solver, I am confident in my ability to tackle any challenge and find effective solutions. Skilled communicator with experience in musical instruction and client-facing roles. I am looking to make a career change into software development and have recently completed a software engineering bootcamp.

Technical Skills

Languages: JavaScript | TypeScript | Python

Front-end: React | Redux | Next.js | HTML5 | CSS | Tailwind CSS | Prisma

Back-end: Express.js | PostgreSQL | Node.js

Testing: Jest | React Testing Library

Miscellaneous: Git | AGILE | Test Driven Development (TDD)

Projects

Personal Portfolio ([Site Link](#), [Repository](#))

A personal portfolio website built to demonstrate my web development skills and projects.

- Features a sleek modern design with rich animations and is optimised for both desktop and mobile viewing.
- Built using TypeScript, React, Next.js, and Tailwind CSS.

E-Commerce Store ([Site Link](#), [Repository](#))

An e-commerce storefront that sells computer hardware. Users can browse various categories, view products based on real-world data and add/remove products from their basket.

- Passport.js handles authentication which enables users to easily create an account, update their personal information, and change their password.
- Session cookies keep users logged in, so they do not have to sign in every visit.
- Utilises a PostgreSQL database hosted on Amazon Web Services.
- Tested with a combination of unit and integration tests using Jest and React Testing Library.
- Built with React, Redux, Next.js, Styled Components, PostgreSQL, and Prisma.

NC News ([Site Link](#), [Repository](#))

A news app that displays fictional news articles served by a custom RESTful API.

- Users can filter articles by a specific topic they are interested in.
- Articles can be sorted by date, comments, or likes.
- Each article has its own dedicated page where users can like the article and leave a comment.
- Built using React, Tailwind CSS, React Router and Create React App.

Pokémon Memory Game ([Site Link](#), [Repository](#))

A memory game that displays between 12 and 21 characters to a player at a time based on four levels of difficulty. The goal of the game is to click on each character only once with cards being shuffled on every turn.

- Fetches random Pokémon data each round from the Pokédex API.
- Built using React and Styled Components.

Experience

Trainee Software Developer

Feb 2023 – May 2023

Northcoders, Manchester

Industry-leading full stack software engineering bootcamp with a strong emphasis on programming/software development fundamentals and industry best practices.

- **Front-end project:** A news app that displays fictional news stories. Built using React, Tailwind CSS, React Router and Create React App.
- **Back-end project:** A RESTful API that serves up user data and news stories. Built using Express.js and PostgreSQL and tested using Jest/Supertest.
- **Group project:** A bill splitting app built for Android and iOS using React Native, Firebase, Redux and Tailwind CSS.

Medical Leave/Web Development Studies

Nov 2019 – Feb 2023

Following a severe accident, I was unfortunately no longer able to work, and due to the pandemic, I was left waiting for treatment for a long period of time. After surgery and intense rehabilitation, I am now in the position to be able to return to full-time work.

- Made the decision to transition to a career in software development during this period and focused on learning through structured online courses, self-study, and hands-on projects.
- I have recovered well physically and walk with crutches, but otherwise I am able to fulfil all the physical requirements of a full-time office-based software developer position.

Guitar Tutor/Sound Engineer

Dec 2016 – Nov 2019

Self-Employed, Bristol

Once I had built up enough clients, I transitioned into teaching guitar full-time. I also worked as a sound engineer helping clients to record and turn their song ideas into a reality.

- Being self-employed meant it was imperative to be motivated, resourceful and a self-starter.
- Managed many students at varying skill levels which required the ability to multitask, prioritise and manage time efficiently.
- Helped students to achieve their goals by creating realistic and tailored lesson plans.

Office Administrator

Apr 2014 – Dec 2016

NHS, Glastonbury

- Managed the reception area which included dealing with general administrative tasks and support operations in a fast-paced hospital environment.

Laboratory Technician

Aug 2010 – Apr 2014

Gaymer Cider Co., Shepton Mallet

- Conducted testing on products ensuring various markers were within the correct specification at each stage of the production process.

Education

Software Engineering

May 2023

Northcoders – Manchester, UK

Full Stack JavaScript

Dec 2022

The Odin Project – a project-based open-source coding curriculum that takes ~1000 hours to complete.

CS50: Introduction to Computer Science

Jun 2022

Harvard University

BSc (Hons) Biology

Jul 2009

Bath Spa University – Bath, UK