

NATHAN HUTCHISON

Software Engineer



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nathanhutch.dev

EDUCATION

BSc (Hons) Software Engineering – 2:1

University of Glasgow

Sep 2020 – Jun 2024

EXPERTISE

Skills

- Application Design
- Client Communication
- Problem Solving
- Collaborative & Independent Working
- Test-Driven Development
- Object-Oriented Development
- Coaching and Mentoring
- Working to tight Timescales & Budgets

Technologies & Tools

- Git Version Control
- Django, React, NextJS, NodeJS, Vite
- TailwindCSS
- WordPress CMS
- Linux
- RESTful API's, Post Man
- VSCode, IntelliJ, Android Studio, Jupyter Notebook
- Figma

Languages (Ability)

- JavaScript (Proficient)
- TypeScript (Familiar)
- Java & Kotlin (Proficient)
- Python (Proficient)
- C & C++ (Fundamentals)
- HTML & CSS (Proficient)

PROFILE

I enjoy being challenged and working hard to solve problems using a logical approach. I am a great listener, with a friendly, approachable and down-to-earth style whilst maintaining professionalism. I'm project-driven and enjoy achieving success working towards goals. I have experience working not only with people, but also for people and am committed to providing them with the best user-friendly experience. I am keen to work in a forward-thinking environment to challenge my skills while learning from and collaborating with a whole variety of people

WORK EXPERIENCE

Building Futures Galloway

Jun 2023 – Sep 2023

Independent Web Developer Internship – www.buildingfuturesgalloway.com

NextJS – Tailwind CSS – WordPress CMS – RESTful APIs – Stripe – Linux Hosting

Building Futures Galloway is a small charity based in Whithorn that focuses on employability skills in young people. They offer young people training in environmentally friendly, traditional construction skills to enhance their employability and get their hands dirty. Within this role, I worked independently as their Web Developer, arranging meetings with two board members weekly to discuss work accomplished and a plan for the future, maintaining an agile approach.

- Developed a user-centric interface with a strong focus on enhancing user experience and ensuring responsive design
- Proactively learned and utilised new technologies to enhance functionality and optimise performance
- Provided clear and precise documentation of website workings, ensuring long-term maintainability.
- Maintained clear and effective client communication by conducting weekly progress meetings.
- Effectively managed time and priorities to meet project deadlines in a solo work environment.
- Developed thorough documentation, detailing the updating of the dynamic elements of the website.

Amazon EDI4

Jun 2021 – Sep 2021

Warehouse Operative

- Displayed a strong attention to detail with awareness that errors could impact on team performance
- Flexible in taking on new responsibilities and shifts
- Provided assistance to new team members

Go Escape

Oct 2019 – Sep 2020

Gamesmaster

- Worked methodically and accurately when resetting clues and guiding customers through the game
- Ran multiple rooms at once, showing ability to multitask under pressure
- Welcoming customers, being approachable and ensuring they had fun

PROJECTS

BrewDog Carbon Emissions Calculator

Grade Achieved – A4 (19/22)

A professional standard team project completed for BrewDog. The web application was created with a Django-based Backend and React-based Frontend, connected through the Django REST Framework.

- Clear customer communication throughout the project through sprint planning and review meetings
 - Web Application designed to match a brand.
 - Collaborative approach to working, using practices such as peer and mob programming when faced with a complex challenge
 - Led the DevOps process for the team, including CI/CD and deployment
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Heart Rate Recovery and Heart Health Smartwatch Application

Grade Achieved – A4 (19/22)

A Smartwatch application developed using Android Studio, Kotlin & Jetpack Compose. The application makes use of the Room Database for storing values, as well as reading sensor data from a variety of sensors to be used in calculations and algorithms

- Adapting to new technologies and libraries to ensure efficient development
 - Working on a complex project independently while setting clear and achievable goals with my project supervisor
 - Running meetings to update on the progress made and the plan for the following week
 - Organising and conducting formal and informal evaluations to further develop and fine-tune my application
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Do You Have The GUTS Hackathon 2023 guitarguitar

Awarded 3rd Place

A fast-paced design challenge for representing JSON API data in a creative way, with our final submission achieving 3rd place. This was done with a web application through NextJS and TypeScript. Made use of several new libraries and techniques to assist with the creativity such as framer-motion for animation, and a dynamic background video to reduce static feel.

- Thrived in a fast-paced challenge, showcasing adaptability and efficiency in making key decisions.
 - Ensured clear team communication, facilitating effective collaboration while maintaining a fast development pace.
 - Developed a strong understanding of data handling and JSON structure, demonstrating technical proficiency and attention to detail.
 - Led the team, directing the team members to work to their individual strengths
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HOBBIES

- I enjoy playing badminton and table tennis with friends regularly
- I organise and play weekly seven-a-side football, co-ordinating a group of 35 players
- I go to football games wherever I can, supporting Raith Rovers from Kirkcaldy and the Scotland National Team
- I coached Bayside Girls under 16 for 4 years, developing my leadership and organisation skills further