

Joe Wilson

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Passionate and enthusiastic Computer Science graduate with full-stack development experience across multiple languages. A proven team player with additional experience in operations management. Looking to grow my software engineering expertise in a collaborative environment.

Skills Summary

Most Proficient Programming Languages – Python, Java

Other Languages – Dart(Flutter), Go, JavaScript, TypeScript, PHP, HTML, SQL, Haskell, Prolog, CSS

Technical Skills – Git, Supabase, Jet Brains Suite, Visual Studio Code, Google Workspace Suite, Microsoft Office Suite

Operating Systems – macOS, Windows, Linux

Education

Degree – BSc in Computer Science, University of Exeter, UK Sept 2019 - July 2023

- Key Areas and Modules: Software Development, Microservices, Enterprise Computing, Data Structures, Algorithms, Web Development, Machine Learning, Security, Java, Python, Graphics, Databases

Secondary – Bryanston School, UK Sept 2014 - July 2019

- A Levels: Maths, Physics, Further Maths (with 2 As and 1 C)
- GCSEs: 11 (with 5 A*s and 2 As)

Self-Study – Pembrokeshire College, Online Sept 2017 - July 2019

- A Level: Computer Science

Professional Experience

Community Coworking Ltd – Operations Manager May 2024 - Present

- Set up the company's first site - Designed the layout and use of the room, handled the logistics of the site setup, and organised essential building services.
- Oversaw daily operations - Managed bookings, ran targeted marketing, coordinated client events of 100+ attendees, set pricing structures, drew up co-working and space rental contracts, and resolved IT issues.
- Supported company management - Created company policies and risk assessments, implemented a digital workspace solution, and maintained the website.
- Drove company expansion - Led operational aspects of proposals, assisted with additional proposal specifications, developed successful proposal plans, and assisted in refining company strategy.

Prosper Sports Limited – Volunteer Software Engineer Jan 2025 - Present

- Developed futures independently and in collaboration with the founding team.
- Provided guidance on clean code, best practices, and group software development.
- Gained proficiency in Flutter and Supabase.
- Learned and applied Flutter development principles.

Projects

University Chat Forum | *Group Software Development Coursework*

Feb 2021 - March 2021

- Chat Forum that combined informal communication between students with official module and society Announcements and discussions
- Used the Kanban software development methodology to create a publicly hosted website built with PHP and JavaScript connected to a MySQL Database
- The site was designed to be the singular chat forum and announcement page for university students with three main sections for Academic, Societies and Community.
- The site is capable of having individual user accounts, each with associated levels, privileges and subscribed clubs. Each post can have comments and multiple layers of sub-comments, all with respective up and down voting capability.
- Languages: PHP, HTML, JavaScript, CSS, SQL

Personal Website | *Independent Project*

Nov 2024 - Feb 2025

- A personal website to display my skills, projects and services
- The site is self-hosted using Apache running on a Debian Linux Server and connected via a Cloudflare Zero Trust Tunnel
- Languages: PHP, HTML, JavaScript, Tailwind CSS

Financial Management Software for Student Clubs and Societies | *Final Year Project* Oct 2022 - March 2023

- A free, focused Financial Management Software that is optimised for use by Student Clubs and Societies where current market options are unsuited and overpriced
- Desktop application built on the Swing GUI Framework
- Languages: Java

Virtual Assistant | *Coursework*

Feb 2022 - March 2022

- Implemented a group of Microservices to create a virtual assistant that can respond to verbal questions
- Developed in GoLand and uses the Microsoft TTS and STT APIs for audio conversion and the Wolfram Alpha Short Answer API for answering the questions.
- Languages: Go

Android Weather App | *Coursework*

March 2021

- Created a Weather app for Android devices that utilises the Open Weather Map API to show daily and hourly weather for a chosen location.
- The app makes use of shared preferences to maintain last used location and other features such as multiple activities, menus and implicit and explicit intents
- Developed in Android Studio with Gradle
- Languages: Java

Volunteering and Leadership

Exeter University Boat Club – President (22/23) & Treasurer (21/22) July 2021 - July 2023

- President – Enhanced the club's internal operations and led the creation of a long-term development plan
- Treasurer – Used technical skills to revamp the clubs financial management processes and financial plan
- Athletic Union Club Award – For outstanding contribution towards university sport

Bryanston School Greenpower Challenge Team – Head of Electrical Sept 2015 - July 2019

- Assisted in the design, construction and racing of an electric car in IET Formula 24+
- Lead the design and implementation of all electronics including powertrain and telemetry

Qualifications, Achievements and Interests

Rowing Sept 2015 - Present

- Exeter University 1st VIII 2019-2023
- Competed at Henley Royal Regatta 4 times
- Medalled at British Universities and Colleges Sport (BUCS) Events

IQL Level 3 Award in Emergency First Aid at Work Sep 2022

RYA Dayskipper Qualification Oct 2021

RYA Powerboat 2 Qualification Apr 2015

Boating, Mountaineering, Cycling