Jamie **Scollay**

SOFTWARE ENGINEERING · SYSTEM ARCHITECTURE

Oxford, England

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Technical Expertise

Programming Languages

Golang, C/C++, BASH, SQL, JavaScript, TypeScript, Java, HTML, CSS/SASS, Python, R, MATLAB, PHP, C#, LaTeX

Libraries & Frameworks

React, React Native, Vue.js, Tailwind CSS, PrimeVue, Babylon.js, Jest, Selenium, Node.js, Mapbox, OpenLayers, ASP.NET

Tools & Platforms

Vim, Git, Webpack, Vite, Docker, Linux, Copilot, VSCode, PostgreSQL/PostGIS, MySQL/MariaDB, Magento, Wordpress

Skills

Front-end	Built and iterated on multiple front-end clients using multiple frameworks/libraries.
Web APIs	Implemented RESTful APIs extensively and taken advantage of WebSockets using a variety of languages.
UI/UX	Have designed UIs for applications and improved UX iteratively based on user feedback.
Automated Testing	Implemented automated tests for software as well as collaborating with QA specialists to ensure system integrity.
CI/CD	Set-up and executed on continuous integration and delivery pipelines for a smooth feedback loop with clients.
Linux	I have been using a linux based operating system for 5+ years, and used extensively for maintaining servers.
Docker	Experienced in creating Dockerfiles for applications, as well as utilising existing images.
System Architecture	Can configure and maintain complex server infrastructure from scratch.
GIS	Handled vector and raster geospatial data, including native coordinate systems manipulating said data for web.

Experience

Full Stack Engineer *Oxford, England*

COMPOSE *Apr. 2022 - Nov. 2022*

- Helped port an existing codebase from JavaScript to TypeScript.
- Led and participated in team projects from ideation to execution.
- Provided technical support for non-engineering teams.
- Built scripts to help automate and streamline the development process.
- Played a large role in driving more effective project planning and related processes.
- Helped to establish coding standards and best practices for the engineering team.
- Expanded documentation both from a technical standpoint, as well as from a high level perspective.
- Pioneered the move from Webpack to Vite to reduce build times as well as improve developer experience.

Senior Software Engineer *Newbury, England*

CLERE GOLF *Oct. 2019 - Apr. 2022*

- Built and scoped our leading geospatial web mapping application front-end and API from the ground up.
- Developed a mobile app in React Native to compliment our leading product.
- Handled database management and architecture for multiple systems.
- Introduced version control using git, and rolled out to the entire company.
- Refactored large pre-existing legacy codebase to make it more maitainable allowing further feature development.
- Responsible for recruitment into the software development team, and managing said team.
- Implemented DevOps within the development team and fulfilled prioritisation of tickets.
- Designed UI/UX for customer facing and internal applications.
- Developed a method of processing geospatial data ready for use in our system.
- Reverse engineered Mapbox API endpoints to save costs and serve custom data sets to our web application.
- Set up our server infrastructure and maintain the technology stack we use.
- Used docker to manage and link multiple servers in a complex network environment.
- Implemented an automated process for continuous integration and continuous delivery.
- Introduced company wide adoption of documenting work processes, and style guides for code readability.

Software Engineer

Norwich, England

CONTRACTOR FOR CLERE GOLF

Mar. 2019 - Oct. 2019

- Developed a physics engine to predict how you would need to hit a golf ball on a given green to putt the ball.
- Used classical mechanics to build a custom mathematical model of the forces acting on the ball.
- Required to use geospatial positions of a ball on different green surfaces.
- Built a front-end and API to make management of predicted putts accessible.
- Worked closely with the client to ensure the correct considerations were taken into account.
- Resulted in being offered a full time position at the company, starting a new software development department.

Software Engineer

Norwich, England

PURPLE TUESDAY

Jun. 2018 - Mar. 2019

- Worked on a range of projects, building bespoke software solutions for clients
- Used ASP.NET to build large scale APIs with active directory authentication
- Built front-end clients in AngularJS to designs provided by the design team.
- A mixture of working on projects individually as well as part of a team.
- Due to high number of clients we worked with, I would have to react fast to hotfixes.
- Provided expertise in linux to help the company open doors with prospective clients.
- Collaborated with other software companies providing insight, and sometimes documentation on specific processes.

Software Engineer

Guildford, England

FREELANCE

Jun. 2016 - Jun. 2018

- Worked on small projects such as plugins for wordpress websites, clients acquired through Upwork.
- Found a larger scale project involving the setup and configuration of proxy servers.
- Worked extensively with different distributions of linux due to client requirements.
- Suggested the development of a web application to help the client set up and maintain his own infrastructure.
- Scoped the project and built it, continuing to maintain the existing servers whilst this happened.
- Upon completion I was offered more work, however I wanted to get experience in industry.

Summary

I am an experienced and well rounded software engineer with a strong desire to continue to improve my own abilities, as well as collaborate with like minded individuals. I stay up to date with the latest developments in the tech space, and enjoy exploring new technologies in the hopes of being able to find the right tool for any job.

In my time working in industry I have refined my skill set to the point where I am able to deliver results to a high quality, and within fixed time constraints. Having worked as an individual, and leading a team of developers on various projects, I am well equipped to tackle a variety of different challenges.

Academic Qualifications

University of Surrey

Guildford, England

BSC MATHEMATICS

Sep. 2014 - Jun. 2017

Dereham Sixth Form College

Dereham, England

A-LEVELS IN MATHEMATICS, FURTHER MATHEMATICS, COMPUTER SCIENCE, AND PHYSICS.

Sep. 2012 - Aug. 2014

Dereham Northgate High School

Dereham, England

13 GCSE QUALIFICATIONS (A-C) INCLUDING ENGLISH, MATHS, AND TRIPLE SCIENCE

Sep. 2007 - Aug. 2012