Rhydian Jenkins

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Personal Profile

Committed and driven Computer Science PhD graduate with an understanding of a variety of software and computing aspects. Experienced with working in groups and alone using a wide range of technologies including modern TypeScript and JavaScript (Vue, Next, and Svelte), MVC Frameworks (Symfony/Zend/Laminas), Docker, and Java applications.

Passionate about learning, and familiar working in Windows and Linux environments, Containers, Virtual Machines and shells. Strives for a principle first approach when learning, combined with a passion to engage in any challenge with a 'can-do' attitude.

Skills

- Infrastructure and DevOps (Docker, Kubernetes, Git, GCP)
- Front end - Vue, React, Svelte(Kit), Next, Nuxt, Vite
- Back end - Symfony/Zend/Laminas MVC
- Package managment and build tools (npm, Composer, Docker-compose, Maven, Make, ...)
- Public speaking while presenting work at various conferences

Experience

BaseKit Apr 2022–present	**Full Stack Developer** Worked on a large DIY eCommerce site builder for individual and white label customers. Responsible for maintaining large legacy systems as well as developing new features with the latest standards. **Responsibilities:** • Front end development with React TS • Back end development with Symfony Micro PHP
WCBS Jan 2021–Apr 2022	**Full Stack Developer** Part of an agile team working remotely to develop a modern cloud native Management Information System (MIS) solution for a number of schools, delivering frequent (2x weekly) releases on high standard product requirements. Operated using a broad tech stack, including Vue2 and Vue3, Symfony, Redis, Kubernetes, Docker, and GitHub. **Responsibilities:** • Develop a Vue.js app in the TypeScript and JavaScript • Develop a RESTful API in Symfony • Ensuring code quality through Jest/PHPUnit tests and code review • Deploying releases through the various environments • CI/CD through GitHub and Jenkins • DevOps through the GCP, Kubernetes, and Docker • Database and entity managment through Doctrine ORM

Aberystwyth University 2017–2021	**University Tutor** Tutored Computer Science university students in a variety of different computer science contexts. **Responsibilities:** • Running workshops, lectures, and tuition groups with undergraduate students • Hosting advisory sessions to help students through a wide range of problems • One-to-one teaching • Grading and supplying feedback to assignments and coursework
Lexis Nexis Risk Solutions May - Dec 2016	**PHP Software Engineer** Operated with a team of developers/testers to implement industry quality software through a Zend Framework. Responsible for pushing code to a Jenkins CI server, and ensuring code quality through custom codesniffers and unit/integration tests. **Responsibilities:** • Working in an Agile team delivering user stories through sprints • Peer reviewing code • Developing features involving both front-end and back-end aspects • Writing PHPUnit tests

Education

Aberystwyth University 2017–2021	**PhD Topological Mapping Swarm Robotics** Worked on novel solutions for the topological multi-agent SLAM problem, using a swarm of agents to map out an environment. Involved with writing ROS modules to achieve challenging tasks in languages such as C++, Java, and Python. **Responsibilities:** • Developing a simulator for robotic operations • Innovating novel ideas to solve challenging problems • Communicating technical work for both short term and long term reports • Self managing time and effort
Aberystwyth University 2014–2016	**BSc Computer Science** During the degree, a wide range of technologies were studied which are still utilised today. **Modules:** • Web programming • Java, C, and C++ programming paradigms • Software development lifecycle • Human computer interface and human computer interaction • Agile methodologies • Advanced computer graphics • Ubiquitous computing • Space robotics • Professional issues in the computing industry

Personal Details

- Enthusiast that enjoys experimenting with new and emerging technologies with a keen interested eye on the future of the industry.
- Experience with using ROS to control robots in simulation and real world application.
- Interests include rugby, personal fitness, and video games.
- Friendly and approachable personality, with confidence to ask questions and collaborate with others.
- Full UK driving licence.