Rhydian Jenkins

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Personal Profile

PhD in Computer Science Software Engineer with a proven track record in software development. Skilled in multiple technologies, languages and environments. Strong teamwork, problem-solving and independent working abilities. Committed to learning and taking on challenges with a positive attitude.

Skills

- Infrastructure and DevOps (Docker, Jenkins, Kubernetes, Git, GCP, AWS, Azure, CI/CD)
- Front end - Webpack, Vite, Next, Nuxt and SvelteKit
- Back end - Full stack and microkernel Symfony, Laminas, and Laravel
- Package management and build tools (npm, Composer, Docker-compose, Maven, Make, etc)
- Public speaking while presenting work at various conferences

Experience

BaseKit
Apr 2022–present

Full Stack Developer

Accountable for developing and maintaining software for a large white label website builder monorepo. My responsibilities included working on various applications such as e-commerce, booking, and customer management solutions, as well as the website builder itself.

Responsibilities:
- Develop/maintain modern React.ts applications utilizing MSW, RTL, Redux, and other technologies
- Develop/maintain PHP 8.2 backend applications and RESTful APIs using Symfony microkernels
- Maintain various large legacy applications written using a variety of technologies such as silex and backbone js
- Implementing functional testing strategies utilizing Mocha, PHPUnit, Jest, RTL, and other tools

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 large number of schools. Operated using a broad tech stack, including Vue3, Symfony, and Docker.

Responsibilities:
- Develop a Vue.ts frontend and a Symfony RESTful API
- 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 management 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

Education

Aberystwyth University	**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 solutions to the multi-agent SLAM problem • Communicating advanced and technical work
Aberystwyth University	**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

Personal Details

- Experience with using ROS to control robots in simulation and real world application.
- Friendly and approachable personality, with confidence to ask questions and collaborate with others.
- Full UK driving licence.