

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 TS (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, Next, Svelte
- Back end - Symfony/Zend/Laminas MVC
- Package management and build tools (npm, Composer, Docker-compose, Maven)
- Public speaking while presenting work at various conferences

History

WCBS Jan 2021–present	Full Stack Developer Part of an agile team working remotely to develop a cloud native school Management Information System (MIS) solution, delivering frequent (2x weekly) releases on high standard product requirements. Operated using a broad tech stack, including Vue, Symfony, Redis, Kubernetes, Docker, and GitHub. Responsibilities: <ul style="list-style-type: none">• Develop a Vue.js app in TS and JS• 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 management through Doctrine ORM
Aberystwyth University 2017–2021	University Tutor Tutored Computer Science university students in a variety of different computer science contexts. Responsibilities: <ul style="list-style-type: none">• 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: <ul style="list-style-type: none"> • 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
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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: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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
NPTC College 2012–2014	A Levels Computing, Computer Graphics, and Electircal Engineering.

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.