

EXPERIENCE

VMware

Senior Solutions Architect

Remote, United Kingdom

November 2021 - April 2024

- Worked directly with customers to deploy *Tanzu Kubernetes Grid (TKG)* and *Tanzu Application Service (TAS)*
- Helped customers bootstrap and build teams with a focus on platform automation & modern practices
- Focused on use of transformative technologies, such as Kubernetes, Terraform, & Ansible
- ***Tanzu, Kubernetes, Bash, Python, Terraform, Golang, Pair Programming, TDD***

VMware

Staff Software Engineer

Palo Alto, CA, United States

December 2019 - November 2021

- Key member of *Tanzu Kubernetes Grid (TKG)*; a managed service for enterprise-grade Kubernetes clusters
- Ensure timely release of Kubernetes builds & updates as part of the Release Engineering team
- Selected to work on national-scale mobile app over Summer 2020, aiding national COVID-19 effort
- ***Tanzu, Golang, Kubernetes, Bash, Python, Elasticsearch, Pair Programming, TDD***

Pivotal

Staff Software Engineer

Palo Alto, CA, United States

July 2019 - December 2019

- Key member of *Pivotal Container Service (PKS)*; a managed service for enterprise-grade Kubernetes clusters
- Responsible for including latest version of Kubernetes in product across all supported release lines
- Triaged failures and worked with component teams to identify and implement fixes
- Maintained end-to-end and integration tests to verify the newest versions of Kubernetes could be installed
- ***Golang, Kubernetes, Bash, Python, Ruby, Pair Programming, TDD***

iD Tech Camps

Senior Software Engineer

San Jose, CA, United States

September 2015 - July 2019

- Maintained bespoke CRM & e-Commerce platform by troubleshooting and fixing issues with legacy systems
- Built AngularJS application and C# .NET server-side API for purchase flow and customer 'My Account'
- Drove development of new deployment practices and use of CI with goal of greater efficiency
- Moved deployment process to Docker and infrastructure from on-premises to AWS
- ***C# .NET, ASP .NET, MS-SQL, AWS, Docker, TDD***

Camp Director & Instructor, Princeton University (Seasonal, Summer-only)

June to August 2009 - 2015

- Taught students aged 11-17; Java, Objective-C, Game Design, Robotics & other STEM topics
- Responsible for entire camp of 130 students, ensuring student safety and well-being
- Dealt with staffing issues and worked with campus representatives to ensure smooth running of camp
- ***Java, C#, Python, Javascript, Team Leadership, People Management***

University of the West of England

Senior Application Developer

Bristol, United Kingdom

November 2013 - June 2015

- Developed internal systems to support student records management for use by administrative staff
- Created medium-scale web application to manage time-allocation for faculty members
- Championed use of Elasticsearch to replace old course search system, used by prospective students
- ***C# .NET, Java, Ruby, Elasticsearch, Javascript, HTML/CSS, Functional Testing***

University of Bristol

Application Developer

Bristol, United Kingdom

November 2012 - November 2013

- Maintained Spring MVC webapps and developing responsive mobile websites for student portal
- Developed web services to provide JSON and XML interfaces to data, consumed by other internal applications
- ***Java, Javascript, HTML/CSS***

University of the West of England

Web Application Developer

Bristol, United Kingdom

October 2011 - November 2012

- Developed custom CRM system built on Microsoft Dynamics. Used to manage university contacts
- Extended and maintained internal cost-estimation & tracking system, used to prepare funding applications
- ***C# .NET, VB .NET, Classic ASP, Java, Javascript, HTML/CSS***

EDUCATION

University of Wales, Aberystwyth

Bachelor of Engineering (Honours), Software Engineering

Aberystwyth, Wales, United Kingdom