

# Ryan Parman • [jobs@ryanparman.com](mailto:jobs@ryanparman.com)

Cloud-native engineering leader, looking to pivot into project, product, and program management roles.

Links: [GitHub \(personal\)](#) • [GitHub \(side project\)](#) • [LinkedIn](#) • [Stack Overflow](#) • [Role-targeted résumés](#)

Format: [Web](#) • [PDF](#) • [Word](#) • [OpenDocument](#)

## Summary

Ryan Parman is a technologist who excels at listening, adapting, and driving continuous improvement. Delivers exceptional work, builds impactful solutions, and elevates team performance.

Looking to pivot from a technical leadership role into a product/program management role, Ryan is seeking opportunities to leverage his technical acumen, leadership skills, and passion for shipping impactful projects successfully.

## Work Experience

Older roles are truncated for brevity. If interested, details can be found [on GitHub](#).

### [McGraw Hill](#) — Remote (since COVID), previously Seattle, WA

#### Principal Engineer, Cloud Center of Excellence (January 2024—October 2024)

- Joined a team whose mission was to provide guidance and support in the cloud journey of the entire organization.
- Proposed best practices, guardrails, and security measures to ensure a secure and efficient cloud environment.
- Identified opportunities to extend the security measures and guardrails devised for AWS to other cloud platforms.

#### Principal Cloud and Platform Engineer (June 2020—January 2024)

- Authored or edited over 1,800 [Confluence](#) documents.
- Partnered with Enterprise Architecture and [AWS Professional Services](#) to deploy [Control Tower](#) and [Identity Center](#), resulting in lowered costs and increased control over account guardrails.
- Managed the Base [AMI](#) program. Leveraged insights from [CIS](#), security patching, and internal needs to develop a unified build pipeline integrating best practices.
- Spearheaded the [Artifactory](#) Rebuild project. Ran the project from inception to completion, including the majority of development. Directed effort across ~80 teams and ~300 services to complete the project.
- Resolved all technology blockers preventing migration lower-cost [ARM64](#) CPUs, opening the door for ~\$450k/year in cost savings.
- Led dozens of smaller projects, offered guidance to engineers on best practices, and documented knowledge.

#### Engineering Manager, Site Reliability (October 2018—June 2020)

- Managed a team of four, while working to level-up the team's technical skills and leadership capabilities. Conducted regular 1:1s, performance reviews, and career development discussions.
- Revamped the SRE interview process to prioritize a 70/30 focus on software engineering (Dev) and systems operations (Ops). Emphasized leadership qualities, bias for action, and high curiosity.
- Led the [Site Reliability Engineering](#) (SRE) team in addressing macro-oriented problems affecting engineering teams, empowering greater self-service.
- Established a process for maintaining reusable [Terraform](#) modules which teams leveraged to compose infrastructure with minimal effort.

#### Staff Software Engineer (October 2016—October 2018)

- Led the development of Tier-1 services within the educational content authoring pipeline, leveraging technologies such as [REST](#), [GraphQL](#), API design, [Amazon ECS](#) (similar to [Kubernetes](#)), [Docker](#), [Terraform](#), [ePubs](#), and security best practices.
- Led the development of the authoring component of the [SmartBook 2.0 product](#), and the internal system which indexes authored content, builds ePubs, and encodes images/video for the ePub CDN using [ffmpeg](#).

- Established the technical direction of these projects, promoted adoption across the organization, published comprehensive documentation, and offered ongoing integration guidance.
- Accelerated the adoption of CI/CD, rapid deployment practices, and Docker containers, shortening the feedback loop for developers and increasing the reliability of deployments.

## **WePay — Redwood City, CA**

### **DevOps Engineer (April 2015—September 2016)**

- Led a cross-company initiative to upgrade the monolithic application from [PHP](#) 5.4 to PHP 5.6 (the latest at the time). Facilitated cross-team collaboration among all major engineering teams and QA departments to achieve results.
- Initiated a program to automate the creation of base server images for cloud servers. This allowed new servers to boot and begin serving traffic ~75% faster.
- Invested in monitoring and alerting systems to prevent customer-facing issues.

### **Senior API Engineer (April 2014—April 2015)**

- Led the company's [HackerOne](#) program, coordinating across teams to address security issues.
- Built a development environment for engineering teams. Reduced new engineer onboarding time from 2 weeks to 1 day.
- Expanded WePay's payment security offerings by designing MFA-as-a-Service (U.S. patent filing [US15042104](#)).

## **Amazon Web Services — Seattle, WA**

### **Web Development Engineer II (March 2010—April 2014)**

- Created the [AWS SDK for PHP](#), enabled AWS to reach the largest developer group — [PHP](#).
- Initiated the creation of [AWS SDK for PHP](#) v2 to address changes in the PHP language and growth of AWS services.
- Led one of the first teams to provide reusable UI building blocks for the [AWS Management Console](#), by collaborating directly with the AWS Design team.
- Invested in increased transparency, better communication, and improved tooling for developers. [\[Examples\]](#)

## **Examples of Technical Documentation**

Much of my other work is published inside of corporate Confluence/wikis. Here are some examples of my public-facing documentation:

- [Setting up macOS for development](#)
- [Local AWS Lambda environments \(with Go\)](#)
- [Local development environment \(devsec-tools\)](#)
- [Configuring DataGrip for Valkey \(devsec-tools\)](#)
- Diagrams of Artifactory [infrastructure](#) and [software](#) configuration.
- Diagram of a [secrets-rotation system](#).

## **Recommendations**

See a [selective list of recommendations](#) from co-workers and peers.

## **Groups and Accomplishments**

- U.S. patent filing, ["System and Methods for User Authentication across Multiple Domains"](#) (US15042104) (2016)
- U.S. patent filing, ["Hive-based Peer-to-Peer Network"](#) (US8103870B2) (2007)
- Voting representative for AWS, [PHP Framework Interoperability Group](#) (2012–2013)

## **Skills**

This list is not exhaustive, but these are software and skills I leveraged in the roles above which are most relevant to PM, TPM, and Product roles.

[Confluence](#), [Jira](#), building platforms, coordination with downstream services, cross-collaboration (dozens of teams, hundreds of services), organization of complex projects, product development, product roadmap management, project documentation, project management, risk mitigation, stakeholder management, technical documentation, vendor management.

## Education

Silicon Valley College (now [Carrington College](#)), San Jose, CA. Bachelor of Arts, *Design and Visualization*