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

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

**Links:** [GitHub (personal)](https://github.com/skyzyx) • [GitHub (side project)](https://github.com/northwood-labs/) • [LinkedIn](https://www.linkedin.com/in/rparman/) • [Stack Overflow](https://stackoverflow.com/users/228514/ryan-parman) • [Role-targeted résumés](https://github.com/skyzyx/resume/blob/master/resumes/#readme)  
**Format:** [Web](https://github.com/skyzyx/resume/blob/master/resumes/ryanparman-tpm.md) • [PDF](https://github.com/skyzyx/resume/raw/master/resumes/ryanparman-tpm.pdf) • [Word](https://github.com/skyzyx/resume/raw/master/resumes/ryanparman-tpm.docx) • [OpenDocument](https://github.com/skyzyx/resume/raw/master/resumes/ryanparman-tpm.odt)

## 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](https://github.com/skyzyx/resume/blob/master/ryanparman-previously.md).

### [McGraw Hill](https://www.crunchbase.com/organization/mcgraw-hill-education) — 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](https://www.atlassian.com/software/confluence) documents.
* Partnered with Enterprise Architecture and [AWS Professional Services](https://aws.amazon.com/professional-services/) to deploy [Control Tower](https://aws.amazon.com/controltower/) and [Identity Center](https://aws.amazon.com/iam/identity-center/), resulting in lowered costs and increased control over account guardrails.
* Managed the Base [AMI](https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/AMIs.html) program. Leveraged insights from [CIS](https://www.cisecurity.org), security patching, and internal needs to develop a unified build pipeline integrating best practices.
* Spearheaded the [Artifactory](https://jfrog.com/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](https://aws.amazon.com/ec2/graviton/) 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*](https://sre.google/in-conversation/) (SRE) team in addressing macro-oriented problems affecting engineering teams, empowering greater self-service.
* Established a process for maintaining reusable [Terraform](https://www.terraform.io) 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](https://martinfowler.com/articles/richardsonMaturityModel.html), [GraphQL](https://graphql.org), API design, [Amazon ECS](https://aws.amazon.com/ecs/) (similar to [Kubernetes](https://kubernetes.io)), [Docker](https://www.docker.com), [Terraform](https://www.terraform.io), [ePubs](https://www.w3.org/publishing/epub3/), and security best practices.
* Led the development of the authoring component of the [SmartBook 2.0 product](https://www.mheducation.com/news-media/press-releases/mcgraw-hill-connect-unveils-smartbook.html), and the internal system which indexes authored content, builds ePubs, and encodes images/video for the ePub CDN using [ffmpeg](https://ffmpeg.org).
* 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](https://www.crunchbase.com/organization/wepay) — Redwood City, CA

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

* Led a cross-company initiative to upgrade the monolithic application from [PHP](https://www.php.net) 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](https://www.hackerone.com) 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](https://patents.google.com/patent/US20160241536A1/en?inventor=Ryan+Parman)).

### [Amazon Web Services](https://www.crunchbase.com/organization/amazon-web-services) — Seattle, WA

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

* Created the [AWS SDK for PHP](https://aws.amazon.com/sdk-for-php/), enabled AWS to reach the largest developer group — [PHP](https://www.php.net).
* Initiated the creation of [AWS SDK for PHP](https://aws.amazon.com/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](https://console.aws.amazon.com), by collaborating directly with the AWS Design team.
* Invested in increased transparency, better communication, and improved tooling for developers. [[Examples](https://github.com/skyzyx/resume/blob/master/amazon-specifics.md)]

## 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](https://github.com/northwood-labs/macos-for-development/wiki)
* [Local AWS Lambda environments (with Go)](https://github.com/northwood-labs/local-lambda-environments-with-go)
* [Local development environment (devsec-tools)](https://github.com/northwood-labs/devsec-tools/blob/main/docs/localdev.md)
* [Configuring DataGrip for Valkey (devsec-tools)](https://github.com/northwood-labs/devsec-tools/blob/main/docs/configuring-datagrip-for-valkey.md)
* Diagrams of Artifactory [infrastructure](https://whimsical.com/artifactory-infrastructure-diagram-5MbWJd8BJfMbRWhfZwtHhQ) and [software](https://whimsical.com/artifactory-software-configuration-and-data-flow-QWZnvbv4SXTX2qkmKGZAqp) configuration.
* Diagram of a [secrets-rotation system](https://whimsical.com/tokengen-infrastructure-diagram-and-data-flow-5ZphqPDP826AaPZHKxCKSr).

## Recommendations

See a [selective list of recommendations](https://github.com/skyzyx/resume/blob/master/selected-recommendations.md) from co-workers and peers.

## Groups and Accomplishments

* U.S. patent filing, [“System and Methods for User Authentication across Multiple Domains”](https://patents.google.com/patent/US20160241536A1/en?inventor=Ryan+Parman) (US15042104) (2016)
* U.S. patent filing, [“Hive-based Peer-to-Peer Network”](https://patents.google.com/patent/US8103870B2/en?inventor=Ryan+Parman) (US8103870B2) (2007)
* Voting representative for AWS, [PHP Framework Interoperability Group](http://www.php-fig.org) (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](https://www.atlassian.com/software/confluence), [Jira](https://www.atlassian.com/software/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](http://carrington.edu/schools/san-jose-california/)), San Jose, CA. Bachelor of Arts, *Design and Visualization*