

Matthew Perreault

Senior Software Engineer - Data & Cloud

Respectful self-motivator gifted at finding reliable solutions for software issues. Over the past five years my focus has been on the intersection between data engineering and platform engineering; offering skills in batch and streaming data solutions, Kubernetes and cloud native design. I thrive in a team environment. Accustomed to working with cross-cultural, global teams.



Contact

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LinkedIn

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WWW

github.com/MattPerreault

WWW

mpcloudstack.com



Skills

AWS (Solutions Architect)

Docker

Git

Golang

Kubernetes

MySQL

Python3



Certifications

2023-10

Google Cloud Certified Professional Data Engineer



Work History

2023-09 -

Current

Senior Software Engineer

Real Kinetic - Data & Infrastructure, Lyons, CO

- Trained and mentored junior developers and engineers, teaching skills in AWS and Python and working to improve overall team performance.
- Worked with project managers, developers to advise on industry best practices for migrating legacy systems to modern cloud-native solutions.
- Delivered event-driven systems that were responsible for managing and processing millions of dollars of eCommerce data.
- Led software development initiative as subject matter expert.

2023-01 -

2023-09

Software Engineer

Workiva - Cloud Infrastructure, Denver, CO

- Worked with software development and platform operation team members to design and develop robust global AWS cloud and Kubernetes infrastructure to meet client requirements for up-time, functionality, scalability, and performance.
- Increased experience with Kubernetes, Docker and Amazon Web Services.

PostgreSQL

TypeScript

Data Warehouse (Redshift)

Terraform

GCP (Data Engineer)

Workflows and queries

Java

**2021-10 -
2023-01**

- Established industry best practices such as AWS Well-Architected framework to maintain operational, performance and security excellence while cutting cloud costs by 30%.
- Reviewed project specifications and designed technology solutions that met or exceeded performance expectations

Software Engineer

Workiva - Platform Operations, Denver, CO

- Build SOC compliant container native CI/CD platform scaled to support over 100 development teams
- Established proper software design patterns to implement cohesive REST APIs using FastAPI in conjunction with OpenAPI frameworks
- Increased developer productivity by creating intuitive front end using material design with AngularJS framework with Typescript
- Saved company hundreds of thousands of dollars by replacing previous CI/CD system
- Reviewed project specifications and designed technology solutions that met or exceeded performance expectations

**2019-05 -
2021-10**

Data Engineer

Workiva - Data Management & Analytics, Denver, CO

- Designed and built highly available AWS cloud infrastructure for managing mission critical operations data accounting for 20% company's revenue. Implemented with tools such as S3, Kinesis, Glue, and Redshift
- Deployed and maintained data warehouse driven by proper data modeling for more intuitive workflow to downstream users such as business intelligence engineers, data scientists, and machine learning engineers
- Delivered projects for systems integration between SaaS apps and data warehouse / data

lake

- Maintained strong testing posture throughout ETL pipeline validating data at each step
- Analyzed proposed technical solutions based on customer requirements

**2018-05 -
2019-05**

Software Engineer - Intern

Workiva - R&D, Denver, CO

- Developed and maintained micro-service platform
- Experienced in client-side, service-side, and message-passing platform technologies
- Participated in Scrum Agile development techniques to reach delivery goals over 75% on per sprint basis.
- Consistently implemented testing solutions for production code
- Collaborated effectively with members of software development team and personnel in other departments.

**2016-02 -
2017-05**

Technical Specialist

T-Mobile, Colorado Springs, CO

- Condensed customers' needs into clear technical steps towards solutions decreasing returned customer calls by %15
- Guided non-technical customers on how to troubleshoot difficult technical issues to improve customer experience
- Deescalated customers with advanced software issues – focused on Android / iOS and network troubleshooting



Education

**2016-09 -
2019-05**

Bachelor of Science: Computer Science

*University of Colorado At Colorado Springs -
Colorado Springs, CO*

GPA: 3.6