

# Adam Peterson

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## SUMMARY

I'm a software engineer based in Lexington, Kentucky. I most recently worked as a senior backend engineer for Trust and Will and I'm a co-creator of Tapestry, an open-source orchestration framework for deploying and managing user data pipelines. I have multiple years of experience with the **Ruby** and **Javascript/TypeScript** ecosystems and am comfortable with **AWS**, **Docker**, **React**, and **Go**.

## RELEVANT EXPERIENCE

### Senior Backend Engineer, Trust and Will 2021 – 2023

- Led a team in the creation of an Accounts microservice, which now serves 30k users a day (**TypeScript, PostgreSQL**)
- Presented a demonstration of an SSO solution I created for NorthWestern Mutual helping to **secure \$3m in new funding**
- Built over 30 endpoints, their corresponding middleware, and integration tests (**Express, JOI validation, JEST**)
- Researched, architected, and created multiple new features from conception to implementation (**integrations, REST API**)
- Worked with our customer support team to create an **Admin dashboard** and an **audit log** to better assist our members
- Documented all routes, controllers, and services and used Swagger for easy handoff to Frontend (**JS Docs, Swagger API**)
- Designed a token system and validation for navigating our different API systems (**JWT, MFA, Admin, Access**)
- Assisted in implementing the notification service for any changes made to the account (**AWS SQS, Sendgrid**)
- Designed the schema of the **PostgreSQL** database, created **migration files**, and assisted in migrating over legacy data
- Placed copious **logging** in our code and utilized **AWS cloud watch** and set up a **Grafana** dashboard for easy monitoring
- Mentored junior and mid-level engineers - helping to shape some of their projects and providing guidance

### Co-Creator, Software Engineer, Tapestry 2021 – 2021

[tapestry-pipeline.github.io](https://tapestry-pipeline.github.io) 📄

Tapestry is an open-source data pipeline orchestration framework for user entity data to help solve businesses' data silos

- Built interactive CLI application and published as NPM package (**Node.js, Commander.js, Inquirer.js**)
- Automated the provisioning of AWS cloud infrastructure to host data ingestion and syncing tools (**AWS CLI, EC2, ECS, ECR, S3, SSM Parameter Store, Cloud formation templates, Fargate**)
- Developed a dashboard to easily monitor the health of the pipeline (**React, TailwindCSS, Node.js, Express**)
- Wrote logic to automate the varied configuration and setup of data pipeline-centric tools, including working with **REST APIs, code configurations**, and execution of **SQL** commands
- Presented Tapestry's design challenges and solutions at an open-source conference [www.opensourcedatastack.com/](http://www.opensourcedatastack.com/) 📄

### Software Engineer, Self Employed / Personal Projects 2019 – 2021

- Message Bucket - RequestBin-like tool for capturing and monitoring webhooks (**Node.js/Express, PostgreSQL**)
- Reaction - Full-stack collaboration app similar to Trello (**React/Redux, Node.js/Express, MongoDB**)

### Project Manager, Web Developer, Proventions Group 2010 – 2020

- Designed and developed multiple websites for clients (**HTML, CSS, JavaScript**)

## SKILLS

### Back-End

*Node.js/Express, Ruby, PostgreSQL, MySQL, MongoDB, Redis, SQL, RESTful APIs, Go, TypeScript*

### Cloud

*AWS (EC2, ECS, ECR, Fargate, IAM, S3, SSM Parameter Store, SQS, Application Load Balancer, CloudWatch, CloudFormation, CLI), Digital Ocean, Heroku*

### Front-End

*JavaScript, React/Redux, HTML/CSS, jQuery, Handlebars.js, Axios, TailwindCSS*

### Technologies

*Git/Github, Docker, Linux, WebHooks*

## EDUCATION

### Launch School 2019 – 2021

Multi-year mastery-based learning curriculum for software engineering | [launchschool.com/employers](http://launchschool.com/employers) 📄

### M.A., Philosophy, Saint Louis University 2003 – 2005 | St. Louis, MO

### B.A., Philosophy, Asbury University 1999 – 2003 | Wilmore, KY