# Rick Molé

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## Professional Experience

**Co-Creator, Software Engineer,** *Tapestry* ↗      05/2021 – present
- Co-created Tapestry (https://tapestry-pipeline.github.io), an open source data pipeline orchestration framework for user entity data. Tapestry automates the deployment of a warehouse-centric data pipeline that incorporates both data ingestion and data syncing components.
- Implemented interactive CLI application available as NPM package (Node.js, Commander.js, Inquirer.js).
- Automated provisioning and teardown of AWS cloud infrastructure to host data ingestion and syncing tools (AWS CLI, Cloudformation templates, SSM Parameter Store, EC2, ECR, ECS, Fargate, S3).
- Containerized data syncing tool to deploy ECS Fargate cluster using Docker Compose ECS Integration.
- Created frontend dashboard for infrastructure health monitoring and observability (React, TailwindCSS).
- Built backend server to retrieve health metrics for frontend UI to display (Express, Node.js).
- 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.
- Implemented the functionality to inject secrets into a Docker container at runtime by collecting and storing sensitive user information via the command line and automating the generation of YAML and .env files.
- Collaborated daily with a small team of fully remote software engineers.
- Co-authored the Tapestry case study white paper.

**Software Engineer,** *Self-Employed*      2019 – 2021
- **Reaction** - Kanban-style, list-making application inspired by Trello (React Redux, Node.js/Express, MongoDB)
- **MessBuck** - Database-backed application for receiving and debugging webhooks (Node.js, PostgreSQL)
- **Dijkstra's Trip** - Airline routing application leveraging Dijkstra's algorithm to find the shortest path (Node.js, React)
- **TodoList** - Application to track todos (Node.js, Express, Javascript, Handlebars, HTML, CSS)

**Founder,** *Nine Tails Creative LLC*      2013 – 2020
- Established a creative services company to provide content creation solutions for a diverse client base.
- Wrote and produced numerous campaign projects ranging in a variety of content and mediums.

## Skills

| Backend | Frontend | Cloud | Tools |
|---|---|---|---|
| *Node.js/Express, PostgreSQL/MongoDB, Ruby/Sinatra, SQL, Go, Webhooks, RESTful APIs* | *JavaScript/jQuery, HTML/CSS, React/Redux, Handlebars.js, TailwindCSS* | *Digital Ocean, AWS, Heroku, Snowflake* | *Git/GitHub, Docker, Linux, DBT* |

## Education

**Capstone Program - Software Engineering,** *Launch School* ↗      2019 – 2021
A rigorous results oriented and heavily researched learning curriculum designed for a long-term career as a Software Engineer.

**Bachelor of Arts - Government,** *Harvard University*      2009 – 2013