

# Rick Molé

📍 New York, NY   🖱️ rickmole.dev   🔄 rmole57   in rick-mole   ✉️ hello@rickmole.dev

## Professional Experience

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**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.
- Managed lightweight production teams consisting of editors, VFX artists, directors, and cinematographers.
- Provided additional services such as treatment writing, script coverage, and pitch deck development.

## Education

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

- Competed as a Division I athlete on the Harvard Men's Lacrosse Team.

**Launch School, Capstone Program - Software Engineering** [🔗](#) 2019 – 2021

## Skills

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### Backend

Node.js, Express,  
PostgreSQL, MongoDB,  
Ruby, Sinatra, SQL, Go,  
Webhooks, RESTful APIs

### Frontend

JavaScript, jQuery,  
HTML, CSS, React,  
Redux, Handlebars.js,  
TailwindCSS

### Cloud

Digital Ocean, AWS,  
Heroku, Snowflake

### Tools

Git, GitHub, Docker,  
Linux, DBT