

Nick Miller

Software Engineer
Los Angeles, CA

hello@nickmiller.io
<https://nickmiller.io>

EXPERIENCE

Doc.ai

Software Engineer

February 2021 – Present

Remote

- Architect backend microservices to process and serve medical claims and benefits data
- Implement data quality validation as a precursor to data-driven CI/CD
- Create ETL pipelines for clinical trial data using Python

Science 37

Backend Software Engineer

July 2019 – February 2021

Los Angeles, CA / Remote

- Develop performant and maintainable microservices in Node.js
- Create integrations enabling video visit functionality to support clinical trials
- Deploy event-driven data pipelines using Kafka and AWS services
- Design and build RESTful APIs

Nami (<https://nami-serverless.github.io>)

Co-Creator, Software Engineer

January 2019 – July 2019

Los Angeles, CA

Nami is an open-source framework that provides a simple command line interface for deploying a serverless architecture on AWS for consuming webhooks.

- Co-created a serverless framework using Node.js and AWS SDK.
- Created a CLI to abstract away complexities of deploying a data pipeline of AWS services including API Gateways, multiple Lambda functions, SQS queues, and EC2 instances.
- Developed functionality that allows users to accomplish with a single command on Nami what would take over 50 API calls to AWS to accomplish.
- Prioritized scalability, fault tolerance, and separation of concerns when engineering solutions.
- Decoupled services to take full advantage of the event-driven architecture enabled by webhooks.
- Crafted solutions to handle AWS rate limits and optimistic responses.
- Engineered EC2 instances to be automatically provisioned with a MongoDB image deployed via a Docker container.
- Co-authored a comprehensive [case study](#) on the design decisions encountered while creating the framework and the different problems Nami solves.

Freelance Full Stack Web Developer

Software Engineer

2017 - 2019

Los Angeles, CA

- Developed open-source web applications with technologies such as Node, Ruby, Rails, PostgreSQL, React, JavaScript, HTML, and CSS.

Global Craft Trading / Nagano Trading Company

Supply Chain Manager, Buyer

2011 - 2017

Long Beach, CA / Yokohama, Japan

- Coordinated a \$10 million craft beer supply chain for 15 foreign markets and global US military bases.

Goldman Sachs Group, Inc.

Securities Analyst

2007 - 2011

Tokyo, Japan

- Reconciled accounts and provided support to trading desks and clients in English and Japanese

SKILLS

Back End: Node.js, Ruby, Rails, Python, MySQL, PostgreSQL, RESTful APIs

Front End: JavaScript, React/Redux, HTML, CSS, jQuery

Other: Kafka, Docker, AWS Services (DynamoDB, Lambda, EC2, SQS, API Gateway, S3), Git

EDUCATION

Launch School

Software Engineering & Full-stack Web Development

University of California at Davis

BA in Japanese Language