Nick Miller

Software Engineer
Los Angeles, CA

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

TECHNICAL PROJECTS

Capstone Project - Nami *https://nami-serverless.github.io*   **January 2019 – July 2019**
Co-Creator, Software Engineer   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.
- Authored a comprehensive case study on the design decisions encountered while creating the framework and the different problems Nami solves.

Launch School   **2017 - 2019**
Software Engineer   Los Angeles, CA
- Developed open-source web applications with technologies such as Node, Ruby, Rails, PostgreSQL, React, JavaScript, HTML, and CSS.
- Selected Projects:
  - RequestPool: A Node.js application built with Express, Mongo, and PostgreSQL to capture and monitor webhooks
  - Mellow: A Node.js kanban board application built using Express, Mongo, and React/Redux
  - Todos: A todo tracking app built with vanilla JavaScript on the frontend, and Node.js/Express for the backend

PROFESSIONAL EXPERIENCE

Global Craft Trading / Nagano Trading Company   **2011 - 2017**
Supply Chain Manager, Buyer   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.   **2007 - 2011**
Securities Analyst   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