

ERIKA MIGUEL

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PROFESSIONAL EXPERIENCE

Bocoup

Remote

Software Engineer - Full Stack and Infrastructure

Jan 2019 – Jun 2024

- Founding engineer for app that manages manual testing of browsers and assistive technologies rendering ARIA accessibility features, funded by Meta
 - Built foundational code base, APIs, unit & integration tests and front-end infrastructure using React, AWS, Node.js and Jest to stand up initial infrastructure for greenfield application
 - Set up linting, Webpack bundling and deployment of application to a Linux machine using configuration scripting tools like Ansible as part of CI/CD process
 - Performed extensive code reviews across front-end, back-end and infrastructure layers using GitHub to ensure code quality and system reliability
- Project lead for nonprofit website redesign
 - Developed a custom WordPress website using PHP, HTML, CSS, and JavaScript to meet specific client requirements
 - Built a custom tool to migrate blog posts from Jekyll to Wordpress, resulting in creation of Python library
 - Led client intake by assessing needs and advising client on appropriate technologies to meet project scope, timeline, and budget requirements
- Individual contributor to open source EdTech solution
 - Contributed to a React-based application by building interactive features like audio recording and enhancing UI
 - Configured and deployed application within client's Heroku environment to support scalable infrastructure

IDEX Biometrics

Wilmington, MA

DevOps Engineer, DevOps & Automation

Mar 2017 – Aug 2018

- Built and managed entire AWS Cloud infrastructure with Terraform, AWS, and Puppet
- Integrated Python and hardware interfaces on homegrown automated testing framework for fingerprint sensors
- Designed and implemented a CLI tool and automated serverless system for creating user accounts to replace error prone account creation and deletion during HR onboarding and termination using Python, Lambda, and API Gateway
- Designed and implemented serverless RESTful API for release config management system

Perka

New York, NY

DevOps Engineer, Platform Engineering

Apr 2016 – Mar 2017

- Sole DevOps engineer, at the time, responsible for managing AWS resources and maintaining application environments, CI/build processes, database migrations, deployments, configuration management for distributed Perka application using CloudFormation, Bamboo and Puppet
- Supported application as an on-call engineer 24/7 and also performed IT related tasks such as account and WiFi access

Goldman Sachs

New York, NY

Technology Analyst, Global Investment Research

Jul 2015 – Apr 2016

- Developed a full stack Java feature to allow trading administrators to rectify files from previous transactions
- Integrated internal DevOps configuration technologies into existing Java applications using Linux

PROJECTS

COVID Hospital Staffing Shortage Predictor

- Developed a Streamlit web application that employed pandas, numpy, Linear Regression, XGBoost, and Neural Networks in PyTorch to predict hospitals with staffing shortages across the US during COVID

EDUCATION

BrainStation

New York, NY

Diploma, Data Science

July 2024 – Oct 2024

Smith College

Bachelor of Arts in Computer Science

SKILLS

- **Languages:** JavaScript, Node.js, Python, SQL
- **Web:** CSS, Emotion, GraphQL, HTML, Jest, React, Rest APIs, Sass, Tailwind
- **Cloud/DevOps:** Ansible, Amazon Web Services (AWS), Docker, Terraform
- **Data:** Excel, Matplotlib, NumPy, Pandas, Streamlit, Web Scraping