

Jesus Medina

Full stack Software Engineer

Full stack software engineer and practitioner of client and customer advocacy with experience maintaining modern, containerized applications for Fortune 500 companies. Shipped and open-sourced multiple applications for the civic betterment of Chicago.

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WORK EXPERIENCE

Software Engineering Apprentice

The Difference Engine [↗](#)

08/2020 - Present

The Difference Engine is a non-profit that bridges the gap between education and the real-world workplace.

Achievements/Tasks

- Engineering a custom full stack JavaScript application for a non-profit in order to reduce time processing user applications from 35-40 hrs/week down to 4-5 hrs/week.
- Collaborating and coordinating with project managers, designers, and fellow software developers in developing agile processes.
- Designing and writing production Node.js and React code for client project.
- Demonstrating project deliverables to client and stakeholders.

Contact: Dan Kaplan - dan@thedifferenceengine.io

Jr DevOps Engineer

Dom and Tom Inc. [↗](#)

06/2018 - 01/2019

Dom and Tom is a product agency that helps Fortune 500 companies and next generation startups build the future of digital.

Achievements/Tasks

- Utilized Docker for containerizing applications for startups/Fortune 500 companies, such as Tyson Foods and Pfizer Inc.
- Provisioned and deployed containers using Rancher Server.
- Assisted in provisioning staging and production environments on AWS.
- Performed over 20 application and database migrations for Tyson Foods by utilizing git version control and SQL.
- Developed an automated process for on-boarding new employees to company by developing a SlackBot for automating GSuite account creation.
- Applied Terraform scripts for automating the build of system infrastructure on AWS.

Contact: Michael Salisbury - michael.salisbury@domandtom.com

Software Engineering Intern

Dom and Tom [↗](#)

06/2017 - 12/2017

Dom and Tom is a product agency that helps Fortune 500 companies and next generation startups build the future of digital.

Achievements/Tasks

- Worked with stake holders at a Japanese based marketing company in order to develop a custom PHP based Wordpress application.
- Advised clients on best hosting services for Wordpress.
- Wrote production Node.js code for internal tools.
- Learned how to organize teams using agile methodology.
- Worked with other clients on developing a tool to help youth in Cook County expunge their records.

Contact: Michael Salisbury - michael.salisbury@domandtom.com

SKILLS

Programming Languages

Python, JavaScript, C#

Front-end Frameworks

React, Bootstrap

Back-end Frameworks

Node.js, Express, Django, .NET Core

Databases

MySQL, PostgreSQL, MongoDB

Operating Systems

Linux, UNIX, MacOS, Windows

Version Control Systems

Git

Project Management Methodologies

Agile

Cloud Platforms

Amazon Web Services, Heroku, Digital Ocean

DevOps

Apache, NGINX, CircleCI, Docker, Kubernetes, Rancher

Soft Skills

Communication, Customer Advocacy, Analytical

PERSONAL PROJECTS

searchcpd.io (03/2020 - Present) [↗](#)

- Open source Django web app where users can search for any Chicago Police officer by badge number and write a review about them, and leave ratings on interactions.
- Goal for the project is to gather enough data on the app in order to run search algorithms and pin-point potential officers who may abuse power.
- Users can also upload media directly to officer profiles anonymously.

expungeio.app (06/2017 - Present) [↗](#)

- WordPress application helps determine eligibility for expungement and connects users instantly with Legal Aid lawyers that help organize their case all free of charge.
- Application has helped over 1000 youth in Cook County expunge their records.

EDUCATION

Software Engineering Bootcamp

Coding Dojo [↗](#)

08/2019 - 11/2019

Description

- Learned MERN, Django, and C#/.NET Core tech stacks.
- Graduated Valedictorian.