Harry Moreno

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Objective

To land a role working on mission critical backend applications, scaling the infrastructure to meet service level agreements for latency and throughput; also developing features to power new products for an organization.

Skills

Go, load balancers, websockets, Python, pdb, SQL, Django, Django ORM, Postgres, psql, Ruby on Rails, Java, Nodejs, Amazon Web Services (ec2, s3, lambda, cloudfront, redshift, autoscaling groups), vim, Celery, RabbitMQ, Redis, Docker, Kubernetes, Linux Administration, UNIX tools (cat, less, wc, pipe, wget, curl, find, cron jobs, etc.), MongoDB, JIRA, Kanban

Experience

January 2020 - Present

Rayogram, New York, NY – *Tech Lead*– http://alkeoncapital.com/

- Developed custom calendar for Hedge fund that adhered to all SEC requirements and integrated with their bloomberg terminal. Software is responsible for over $60B in assets under management. Using Django, Flask, Celery
- Developed asynchronous web services to parse emails over IMAP, imap-tools (rfc3501), IMAPClient
- Created custom processes using magic links, so that stakeholders could more efficiently manage their employees and treasury investments via email.
- Developed custom visualizations using jquery, datatables.js, D3.js
- Built python service to perform image processing on monthly pdf reports to investors. pdf2image, img2pdf, poppler, pdftoppm, RFC822 (email)

March 2019 - September 2019

Huge inc., New York, NY – *Senior Engineer, Devops/Javascript* – https://hugeinc.com/

- Owned development for a smart store in Kobe, Japan.
- Application used React/Redux with fullscreen background animations, websockets and CSS animations
- Responsible for continuous integration pipeline with Jenkins, terraform, Amazon ECR and Docker

February 2018 - February 2019

Getaway, New York, NY – *CMS Engineer* – https://getaway.house/

- Helped organization migrate away from spreadsheets and onto a custom internal content management system written in React.

- Employees use the tool for customer support - booking cabins for customers and tracking their payments

February 2016 - February 2018

Capsule Corp, New York, NY – *Founding Engineer* – http://capsulecares.com/

- Early Engineer inheriting a Go Lang webapp. Added small functionality within a day.
- Added api endpoints conforming to testing practices. Used Gorm orm.
- Added Segment.io events recording user actions for improving our conversion funnel.
- Elicited requirements and implemented large parts of a non-trivial internal employee workflow application used by over 80 people daily to perform their work.
- Inherited and extended a Node.js application that performed SQL query reflection from a GET request to a query against a Microsoft SQL database within a corporate network. ETL pipeline.

August 2014 - July 2015

Freecodecamp, San Francisco, CA – *Software Engineer* - https://freecodecamp.org

- Improved slow MongoDB queries by pushing round-trips into the database
- Wrote frontend using earliest versions of React.js
- Managed Node.js infrastructure on DigitalOcean and using pm2. Infrastructure served over 10,000 concurrent connections at peak.

Education

2008 - 2012

Worcester Polytechnic Institute, Worcester, MA – *Bachelor's in Computer Science*

Completed coursework in Computer Networks, Databases, Web Applications, Calculus, Algorithms, Linear Algebra, Statistics, Artificial Intelligence, Data Mining, Software Development, Object Oriented Design, Functional Programming and Operating Systems.

Open Source Projects

- Django-flaggit - forked a django app to fix a bug and support modern versions of django
- React Native Contacts - the most popular module for loading phone contacts in React. Written in Javascript, Objective-C and Java.
- Sign in With Ethereum - a minimal and portable example of how to support sign on into a web application with a web3 wallet.

Links

- Tech Blog - blogging since 2013
- Github - >1,400 stars
- Stackoverflow - >8,000 reputation