

Manthan Mallikarjun

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EXPERIENCE

Roambee, Santa Clara — *Software Intern*

JULY 2016 - AUGUST 2016

Built internal websites for the team in order to speed up development, making the raw data easy to visualize with regards to tracking trucks, shipments, and airplanes in real time with Node.js and Javascript.

Card for Coin, San Mateo — *Software Intern*

JUNE 2015 - AUGUST 2015

Developed web scrapers to programmatically scrape gift card balances off of websites while avoiding obstacles such as captchas, and rate limiters in *Scala* with *Selenium*.

EDUCATION

University of California Santa Cruz — B.S. *Computer Science*

SEPTEMBER 2017 - JULY 2020

Coursework: Introduction to Programming, Introduction to Data Structures, Discrete Mathematics, Linear Algebra, Calculus 2

GPA: 3.86

PROJECTS

Research on Cryptocurrencies — *Smart Contracts*

Host university information such as grades, degrees, and recommendation letters on the *Ethereum* blockchain while maintaining the privacy and anonymity of student. Still in the early stages, and mentored by Dr. Owen Arden.

nahtnam.com — *Personal Portfolio*

My personal portfolio where I host my projects, photos, blog, and resume. Made with my own framework, *konstructor*, and hosted with my own deployment tool, *kolony*.

konstructor.js.org — *Node.js Web Framework*

konstructor is a simple and intuitive *Node.js* web framework to help you build out large production applications. It is based off of *koa*, but also brings in popular libraries like *marko* for template rendering, *objection* and *knex* for database management, *laravel-mix* and *webpack* to manage your assets, and *live-reload* to restart and hot swap your server in development.

kolony — *Self Hosted Deployment Tool*

A self hosted deployment tool for *Node.js* apps (or anything else). Currently, it helps easily deploy and manage my *konstructor* applications on a cheap *OpenVZ* VPS that doesn't support *docker* or any other virtualization deployment tool. Instead, *kolony* uses *NVM*, *PM2*, and *NGINX* to isolate each application without virtualization. It is similar to *Dokku*, which is a self-hosted version of *Heroku*.

konstructor-cli — *A CLI for konstructor*

konstructor-cli makes setting up a new *konstructor* app super simple. It is made with *Node.js*, *yargs*, *inquirer*, and *kopy*. It is based loosely off of *vue-cli* and *ember-cli*, and is hosted on *NPM* which means it can be downloaded with a single command.

json-diff-cli — *Diff API Responses for Testing*

A CLI program to sort and diff JSON API responses for testing purposes. It is currently used by a large ecommerce website in tests to help make sure that the production environment is backwards compatible with the staging environment. It has a CLI to differentiate two links quickly, but also has the ability to read CSV files to use during testing with CIs.

JV — *Compile and Run Java Programs*

A CLI made in *rust* to compile and run java programs for my computer science class. It is hosted on *cargo* and can be downloaded with a single command.

btcp.co — *See the Current Cryptocurrency Prices*

My website made to help convert the prices of cryptocurrencies to and from fiat currencies. It fetches all of the data from Coinbase's APIs and uses *Vue.js* to dynamically compute the price conversions. It is made with *konstructor* and hosted with *kolony*.

pdstats.co — *Track Bets and Users on Primedice*

My website made to help users track bets and other users on *primedice.com*. It fetches all of the data from *Primedice's* API and calculates winnings and other statistics. It is made with *konstructor* and hosted with *kolony*.

SKILLS

Javascript/Node.js (ES6), koa.js (konstructor)/Express.js, Vue.js
Ruby, Ruby on Rails, Sinatra
PHP, Laravel
Java, Scala
Elixir, Phoenix
Git, Linux, NGINX, PM2, Selenium

INTERESTS

Cryptocurrencies (BTC, ETH, XRP, TRX)
Electron
Go/Concurrency
React/React Native
Docker