ANOOP MACHARLA

DevOps Engineer ◆ Information Technology ◆ Entrepreneur ◆ Open Source Contributor

I am a self-motivated, take charge type of engineer who is curious about implementing new technologies in order to increase efficiency and reduce redundancy. My main goal is to help build innovative applications and to be part of a company that shares my enthusiasm for creativity and success!

APTITUDE

Programming Language	C, Python, Bash, MySQL, HTML, CSS, Client-side JavaScript, jQuery, Ajax
Libraries and Framework	Unittesting, Flask, ReactJS, Restful API, SQLAlchemy, GDB, WordPress, WooCommerce, Beautiful Soup
Engineering Tools	**Kubernetes**, **Docker**, AWS, Git, Vim, Nginx, HAProxy, UFW, Puppet, Fabric
IT Support Tools	Linux, Windows, Mac, Active Directory, Exchange, Clonezilla, Jujucharms
Databases	Postgres, Rocksandra (Cassandra + RocksDB), MariaDB, MySQL, Precona

EXPERIENCE

Automation Engineer for DBaaS team
Boston, Massachusetts
Research and Development at State Street Corporation
June. 2018 - Present
- Built and configured RPMs, docker containers, monitoring solutions, pipelines and automation for databases applications
- Deploy elastic, redundant, robust, persistent/stateful databases natively and via Kubernetes
- Built the Postgres database with custom extension from the open source and implement Kubernetes Operator that performs automatic backup and recovery of the database. In addition stress tested (tpch, tpcds) Postgres database.
- Built Rocksandra (Cassandra with Rocksdb engine) code base from the open source and created Helm charts for deployment to Kubernetes
- Worked on the deployment of large scale database cluster on Amazon EKS and demonstrated it at AWS reInvent 2018

DevOps Engineer & CoFounder
Boston, Massachusetts
Conlangio, Sparkist Technology & Bougie Labs
June. 2016 - Present
- Designed, built and managed custom from-scratch microservice that are self-configured, autoscaled, and redundant.
- Managed traffic and scaling via sms and custom built helper bot.
- Worked with Docker Swarm and Kubernetes for cluster management.
- Built all our application on the Cloud (AWS, GCP)
- Implemented Juju, Puppet and Fabric for software configuration management.

Full Stack Engineering
San Francisco, California
Holberton School
May. 2017 - March. 2018
- Built a web infrastructure like the ones powering Facebook, LinkedIn, Twitter
- Learned to work at scale, which enabled me to seamlessly manage one or hundreds of servers with ease
- Created an Airbnb clone: where iv built a console to manage objects, designed front-end UI and served content via 1 load balancer, 2 web servers, and 2 databases. LAMP stack
- Created a highly scalable/load balanced applications via Docker containers and Docker swarm
- Stored objects in a primary and replica database and exposed them via an API
- Configured Microservices infrastructure via Docker Swarm on AWS.

SHOWCASE

http://bit.ly
/aa-ARIA
/AirBnb_Clone_v3
/Docker_repos
/Url_Shortener
/Simple_Shell
/Medium_Blogs
ex. http://bit.ly/AirBnb_Clone

EDUCATION

2017 - 2019
San Francisco, CA

Certificate in Full Stack Engineering
Holberton School
2-year coding school.

2012 - 2016
Stony Brook, NY

B.S. in Business Management specializing in Finance
Stony Brook University

CONTACT ME

📱 615-266-6715

✉ noop2016@gmail.com

amacharla

http://amachar.la