

ANOOP MACHARLA

Cloud 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!

A P T I T U D E

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

E X P E R I E N C E

Automation Engineer for DBaaS team

Boston, Massachusetts

Research and Development at State Street Corporation

June. 2018 - Present

- Actively worked with Open Source technology: onboarded it, tested it, air gapped (no internet access) built it and deployed it.
- 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 K8s.
- Actively used Git for version control and Artifactory for object store (containers, rpms, and java dependencies).
- Presented at AWS reInvent 2018: The deployment of large scale database cluster (Vitess) and stress tested it live to hit 1 million qps.

Cloud 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 i 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
- Configured Microservices infrastructure via Docker Swarm on AWS.

S H O W C A S E

[http://bit.ly](http://bit.ly/aa-ARIA)

/aa-ARIA

/AirBnb_Clone_v3

/Docker_repos

/Url_Shortener

/Simple_Shell

/Medium_Blogs

ex. http://bit.ly/AirBnb_Clone

2017 - 2019

San Francisco, CA

2012 - 2016

Stony Brook, NY

E D U C A T I O N

Certificate in Full Stack Engineering

Holberton School

2-year coding school.

B.S. in Business Management

specializing in Finance

Stony Brook University

C O N T A C T M E



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<http://amachar.la>