

ANOOP MACHARLA

Certified Cloud Engineer ♦ Information Technology ♦ Entrepreneur ♦ Open Source Contributor

A P T I T U D E

Engineering Tools
Languages
IT Support Tools
Databases

Kubernetes, Docker, Helm, AWS, Git, Terraform, AzureDevops, Jenkins X
Bash, Python, MySQL
Linux, Windows, Mac, Active Directory, Exchange, Amazon Workspaces, Faronics
Postgres, Rocksandra (Cassandra + RocksDB), Vitess, MariaDB, MySQL, Precona

E X P E R I E N C E

Lab DevOps Engineer / Curriculum Engineering / Events Engineering

New York, New York

Amazon: Training & Certification Org at Amazon Web Services (AWS)

Aug. 2020. - Present

- Invent and Simplify by automating any redundant tasks via Python (boto3) and Jenkins - reduced workload by 30%.
- Insist on higher standards by creating SOPs, meticulously documenting, and refactoring existing code - scaled services 50% faster.
- Customer obsession by implementing a new computer management platform at AWS Summits and ReInvent - reduced onsite issues by 70%.
- Think big by helping create, maintain, and grow an internal metrics application that monitors the team's ticket queue - Used by leaders monthly.
- Bias for action by preventing fraud and abuse of lab resources through reverse engineering and cross-team collaboration - reduced fraud by 60%.
- Learn and be curious by implementing a generative AI chatbot for internal customers - reducing general queries by 10%.

DevOps Engineer for Inblock team

Boston, Massachusetts

LiquidX Inc: a Fintech startup that handles the exchange of illiquid assets.

Feb. 2020 - Aug. 2020

- Configured a build and release pipeline via Azure Devops with security in mind.
- Leveraged Hashi Corp's Vault for applications access control and secret handling.
- Terraformed entire AWS infrastructure in a modular manner with SOC 2 compliance in mind.
- Ran security scans and cost usage queries to clean up resources, saving over \$3000/month on AWS costs.
- Configured monitoring and alerting of Kubernetes & AWS resources via Datadog and Opsgenie.
- Learned Knative (k8s based serverless workloads).
- Configured routing via Nginx proxy on bastion hosts and OpenVPN so the developers can access internal tools and applications in a secure, highly available manner.

Automation Engineer for DBaaS team

Boston, Massachusetts

Research and Development at State Street Corporation

June. 2018 - Feb. 2020

- 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, tpccds) 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)
- 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

S H O W C A S E

<http://bit.ly/aa-ARIA>

/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



+1 - 615-266-6715

noop2016@gmail.com



amacharla

<http://amachar.la>