Aaron Brock 🌂

Advocating for Amplifying Abilities by Applying Automation.

- Remote, USA
- (609) 528-4466
- Aaron@AutomateAaron.com
- AutomateAaron.com
- @AutomateAaron

EXPERIENCE

Cloud Engineer, Sada — *Remote*
NOV 2020 – PRESENT
- Led technical relationships with 20+ clients which directly lead to deals closing.
- Architected & assisted adoption of Google Cloud's Gen AI tooling in 4+ organizations.
- Built relationships with Google reps, leading to an increased lead generation.
- Co-Presented with Googlers both internally & externally, establishing SADA's brand.
- Architected a secure application for a social media startup with over 2 million active users.
- Automated parts of the internal sales pipeline, saving valuable cycles.
- Successfully supported the migration from AWS to GCP for multiple customers.
- Developed multiple professional services offerings based on observations of market needs.

DevOps Consultant, Contino — *New York City, NY*
SEP 2019 – NOV 2020
- Created automation to enforce git tagging rules to follow Semantic Versioning.
- Deployed CI/CD platform enforcing FedRAMP medium standards to all environments.
- Developed automated tests to guarantee proper terraform deployment.
- Created a POC terraform provider which wraps GCP storage objects.
- Migrated AWS Service Control Policies from a manual workflow to an automated policy-as-code workflow at a global financial ratings and intelligence firm.
- Lead pair programming sessions, upskilling clients on Cloud best practices.

DevSecOps Contractor, Functionize — *Remote*
SEP 2019 – JAN 2020
- Designed a solution for running Selenium tests against Windows browsers in GKE.
- Configured secure remote access to Jenkins using Google Cloud's Identity-Aware Proxy.
- Containerized & secured a legacy node.js application, allowing it to be migrated to k8s.
- Created private Kubernetes deployment, integrating with k8s & GKE best practices.

Data Engineer Intern, Soterea — *Tianjin, China*
JUN 2019 – AUG 2019
- Developed & deployed a data management tool, replacing manual data transfers.
- Deployed an ELK Stack to collect and visualize metrics across the company.
- Facilitated company adoption and upskilling of Git and Docker.

DevOps Engineer, iconectiv — *Bridgewater, NJ*
DEC 2017 – MAY 2019
- Setup Kubernetes to support CI workflow, reducing build wait times.
- Stabilized build and deployment by dockerizing jobs, allowing for greater test repeatability.
- Developed automated testing tools to support API & Data integrity tests, drastically reducing test development time and increasing test coverage.
- Reduced GUI testing time by deploying Selenoid grid cluster, reducing test time by 10x.
- Provided training for Git & TensorFlow, which facilitated tool adoption.
- Created a dockerized version of MongoDB's Ops Manager.

A.I. Team Member, Princeton PAVE Club — *Princeton, NJ*
OCT 2016 – OCT 2019
- Created a program to detect lane lines on a video stream using OpenCV.
- On-boarded & taught new members TensorFlow.
- Created a neural network to clone human driving in a simulator.
- Developed a Vehicle Detector using OpenCV & Keras.

Co-Founder, Soda Hop Media — *Princeton, NJ*
OCT 2016 – JAN 2017
- Developed and demoed a prototype cloud gaming application.
- Automated AWS instance creation & VPN connections to ensure secure connections.
- Automated bidding on AWS spot instances, lowering server costs by over 70%.

Contract Consultant, Several Minecraft Servers — *Remote*
JUL 2014 – OCT 2016
- Created the reward system for the largest Minecraft Server in the world.
- Developed a plugin to translate Minecraft chat live via Google Translate.
- Led a team of developers to create a modular mini-game framework.
- Trained developers in how to use and develop for our mini-game framework.
- Automated our deployments via Gradle to speed up the development cycle.

EDUCATION

Homeschool Student — *Princeton, NJ*
NOV 1999 – NOV 2017
- Started programming in Scratch at age 8 and migrated to Java by 12.
- Learned problem-solving skills through real-world situations, e.g., Boy Scouts and umpiring.

PROJECTS

Eagle Project, Troop 43 — *Trenton, NJ*
JAN 2017 – NOV 2017
- Organized & led the creation of a composting system for the Trenton food pantry, ArmInArm.
- Managed the resurfacing of the garden pathways, moving over 9 tons of stone dust.

MNIST Examples — *Open Sourced on GitHub*
JUL 2017
- Created Fully Connected & Convolutional neural network Classifiers.
- Developed Deep Convolutional GAN that can generate handwritten digits.
- Created a workbook to facilitate learning in TensorFlow.

ACHIEVEMENTS
Assoc. Cloud Eng. GCP Cert
Cloud Architect GCP Cert
Eagle Scout Troop 43
4.4k+ Rep. StackOverflow

LANGUAGES & FRAMEWORKS
- Python
- Go
- Java
- Bash
- JavaScript
- Vue
- Svelte
- Next.js
- Firebase
- Git
- GitHub
- Linux
- Gemini
- GCP
- AWS
- Docker
- K8s
- Jenkins
- CircleCI
- Terraform
- Pulumi
- Ansible
- MongoDB
- PostgreSQL
- MySQL
- ChatGPT

ONLINE CLASSES
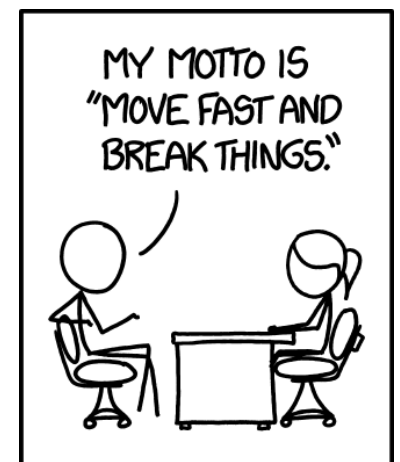**Git** Udacity 2016
Java Coursera 2016
Deep Learning Udacity 2017
Self Driving Car Udacity 2018
Kubernetes Udemy 2019
Quasar FW Udemy 2020

MOTTO

MY MOTTO IS "MOVE FAST AND BREAK THINGS."

JOBS I'VE BEEN FIRED FROM
FEDEX DRIVER
CRANE OPERATOR
SURGEON
AIR TRAFFIC CONTROLLER
PHARMACIST
MUSEUM CURATOR
WAITER
DOG WALKER
OIL TANKER CAPTAIN
VIOLINIST
MARS ROVER DRIVER
MASSAGE THERAPIST

(Source: xkcd.com/1428)