

ARIAN MOSLEM

✉ amoslem678@gmail.com ☎ 201-249-0761 📍 New York, New York 🌐 /in/arian-mos 🔄 0Arian

EMPLOYMENT

Chainalysis Inc, *Software Engineer*, New York, NY

Dec. 2021 - Current

- Led a project that processed millions of records hourly by designing and implementing a low-latency data pipeline solution that utilized AWS services including S3, Lambda Step Functions, PostgreSQL, and DynamoDB. Also deployed and maintained the pipeline using AWS CDK and Datadog alerting for real-time monitoring.
- Maintained and improved very large codebase system that has several microservice layers built on top of it using JAVA / Sprint Boot, Kubernetes (AWS EKS, Cronjobs, API Service). Increased microservice data processing throughput by over 350%.
- Heavy involvement in organization developer operation work, creating CI/CD pipelines (started with Jenkins, now using Github Actions) and setting up Terraform resources for all projects / services, reducing service errors & developer manual deployment time by over 90% (Deploying services went from avg 2-3 days of work to less than a hour)
- Organization wide emphasis on improving security of services, using common solutions such as SHA encryption + rotating API Keys, AWS IAM roles between cross AWS accounts, adding monitoring for authentication

Barracuda Networks (Acquired SKOUT Cybersecurity July 2021), *Software Engineer*, New York, NY

Sept. 2019 - Nov. 2021

- Developed a dashboard to provide live cybersecurity alert data and self service onboarding to customers
- Developed solutions to automate customer onboarding and significantly decrease average customer onboarding time (Unit & Integration / End to End Tests)
- Collaborated with infrastructure, developers, security engineers and product to system design and implement solutions to ingest threat and alert data from various customer data sources to integrate into company SIEM platform (Approximately 15,000 Events per minute with over 5000 Global Users)
- Designed and implemented a tool to automate creation of Customer Executive PowerPoint report, saving company 120 hours of work per month
- Tech Stack: Python, Javascript (ReactJS, Typescript, NodeJS, Redux), ELK Stack (Filebeats, Elasticsearch, Logstash), Docker, AWS (EC2, VPC, Lambda, RDS, Redshift, Sagemaker, EKS, API Gateway, S3), Ruby, PostgreSQL

Prudential Financial, *Software Engineering Intern*

June 2018 - Aug. 2018

- Designed and implemented a dashboard for monitoring company servers, providing quick patch solutions and alerting
- Worked with real time data to show incoming requests on servers, providing API Endpoints for health checks
- Tech Stack: Python (Django), Javascript (ReactJS, Redux)

Archangel Raphael's Mission (ARM), *Software Development Intern*, New Brunswick, NJ

May 2017 - Aug. 2017

- Designed and implemented a python library (Available on python package manager PIP called Graphite-Analytics) that generates an analytics template of your Google Analytics Data, saving organization 30 hours of work per month
- Improved error handling of organization website using simple automated unit tests
- Technology Stack: Javascript

EDUCATION

Rutgers University

B.S. Computer Science 2019
Minor Mathematics 2019

Sept. 2016 - May 2019

SKILLS

PROGRAMMING LANGUAGES: JavaScript / TypeScript (ReactJS, Redux), NodeJS (ExpressJS), Python, Ruby, Java (Springboot), SQL (PostgreSQL), NoSQL (DynamoDB, Elasticsearch)

TOOLS / TECHNOLOGIES: AWS (EC2, VPC, Lambda, RDS, Redshift, Sagemaker, EKS, API Gateway, S3, Lambda), Docker, Kubernetes (K9S), Kibana, Bash / ZSH, Datadog, Git / CICD (Github Action, Gitlab CI), Terraform

PROJECTS

AlienMenu

July 2019 - Nov. 2020

- Desktop Application (Cross OS for Mac, Linux, and Windows) that shows Reddit content for quick and easy access
- Filter feature to make reddit safe & appropriate for work, also able to give context to show relevant posts from news sources
- Had over 2000 daily active users, and was on mac app store from 2019-2020

SwearJar

- iOS app that charges users for every swear word spoken, written in Swift & Python (Django)
- Created an Open Source library in Swift for audio conversion (Apple Audio Format .aav to multiple formats like .wav, .mp3, etc)
- Finalist at BigRedHacks 2016 (Hackathon hosted by Cornell University)