Anthony Tam

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Work Experience

Darktrace
Toronto, Canada

LEAD MODEL DEVELOPER *Jun. 2017 - May. 2018*

- Provisioned an easily managable hybrid infrastructure(Amazon AWS + On-premise) utilizing IaC(Infrastructure as Code) tools like Ansible, Packer and Terraform.
- Built fully automated CI/CD pipelines on CircleCI for containerized applications using Docker, AWS ECR and Rancher.
- Designed an overall service architecture and pipelines of the Machine Learning based Fashion Tagging API SaaS product with the micro-services architecture.
- Implemented several API microservices in Node.js Koa and in the serverless AWS Lambda functions.
- Deployed a centralized logging environment(ELK, Filebeat, CloudWatch, S3) which gather log data from docker containers and AWS resources.
- Deployed a centralized monitoring environment(Grafana, InfluxDB, CollectD) which gather system metrics as well as docker run-time metrics.

CYBER SECURITY ANALYST *Jan. 2016 - Jun. 2017*

- Implemented RESTful API server for car rental booking application(CARPLAT in Google Play).
- Built and deployed overall service infrastructure utilizing Docker container, CircleCI, and several AWS stack(Including EC2, ECS, Route 53, S3, CloudFront, RDS, ElastiCache, IAM), focusing on high-availability, fault tolerance, and auto-scaling.
- Developed an easy-to-use Payment module which connects to major PG(Payment Gateway) companies in Korea.

CYBER SECURITY ENGINEER *Aug. 2014 - Apr. 2016*

- Lead engineer on agent-less backtracking system that can discover client device's fingerprint(including public and private IP) independently of the Proxy, VPN and NAT.
- Implemented a distributed web stress test tool with high anonymity.
- Implemented a military cooperation system which is web based real time messenger in Scala on Lift.

Zebra Technologies
Missisaugua, Canada

CATEGORY MANAGEMENT ANALYST *Sep. 2013, Mar. 2011 - Oct. 2011*

- Conducted penetration testing on SAMSUNG KNOX, which is solution for enterprise mobile security.
- Conducted penetration testing on SAMSUNG Smart TV.

Education

McMaster University
Hamiltion, Canada

B.ENG.MGT - BACHELOR OF MECHANICAL ENGINEERING AND MANAGEMENT *2012 - 2017*

- Some stuff

Nanyang Technological University
Singapore

INTERNAIONAL EXCHANGE PROGRAM *2014 - 2014*

- Some more stuff

Skills

DevOps	AWS, Docker, Gitlab
Back-end	Python, NodeJS
Front-end	ReactJS, Angular JS, HTML5, CSS
Programming	Node.js, Python, JAVA, OCaml, LaTeX