
ADRIANO SELA AVILES

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Skills

- **Scripting** languages e.g. Bash/Python
 - **Object-oriented** languages e.g. Go/Java
 - **Infrastructure** - Docker, Kubernetes, Terraform
 - **Cloud Computing and Services:** experience with all of AWS, GCP and Azure
 - **Microservice architecture** design
 - **CI/CD** - Concourse, Jenkins
 - **IAM** flows e.g. OAuth2.0, SAML
 - **Networking and Security Protocols:** TCP/IP, DNS, BGP, TLS
 - **Agile and Lean** training
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Experience

Software Developer

05/2017 to 09/2018

Cisco Systems Inc.

Vancouver, BC

- Collaboratively built an "SSL-Certificates As A Service" API from research to production, capable of delivering certificates and metadata within seconds of a request
- Implemented an OpenID Connect identity provider API in Golang
- Designed and implemented a high availability (HA) solution with AWS Route53, Cloudwatch Alarms, and Lambda functions
- Implemented a distributed secrets management API leveraging Hashicorp's "Vault"
- Migrated builds and deployments (CI/CD) from a legacy Jenkins server to Concourse
- Attended a Cisco Security "R00tcamp"; an intensive penetration testing boot-camp focusing on Kali Linux tools for network visibility and packet analysis

Security Operations Intern

05/2019 to 09/2019

Mozilla San Francisco

San Francisco, CA

- Wrote an Apache Beam pipeline and designed the cloud architecture for processing GuardDuty (AWS) and Event Threat Detection (GCP) findings to alert on relevant threats to Firefox Infrastructure - <https://github.com/mozilla-services/foxsec-pipeline>
 - Contributed significantly to an IP reputation daemon, and a secrets management solution - <https://github.com/mozilla-services/iprepd>, <https://github.com/mozilla/sops>
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Projects

You're So Fake - Cisco Hackathon VIII (Winner: Best Overall)

- Created a news website "fakeness"-measuring chrome plugin leveraging Cisco Umbrella's "Investigate" API (aggregates WHOIS data and malicious website reports) as well as natural language processing of HTML title attributes in order to produce a fakeness score of the site currently being browsed

EZPill - NWHacks 2019 (Finalists)

- Platform to ensure indication adherence for medications and optimize the prescription emission process
- Web application (for physicians) and a mobile app (for patients)
- Doctors first create a prescription through the web app including the medication and indications (dosage, quantity, etc). Prescription ID is translated into a QR code which is attached to their printed physical prescriptions. The patient then scans the QR code and all the prescription data will be automatically loaded to their patient account. Once the patient has signed up, the mobile app acts as a tracking tool as the medicine is taken, but also serves as a tool to quickly reach physicians (at their convenience) to either request a refill or to schedule the next check-up

Personal Projects - <https://github.com/adrianosela>

Education

Bachelor of Applied Science (Ongoing): Computer Engineering

2020

University of British Columbia

Vancouver, BC, Canada

- Dean's Honour List, expected graduation May 2020
- Coop Status: completed 4/4 (mandatory) work terms + one additional term