JAMES CHUONG

SOFTWARE ENGINEER

💼 EXPERIENCES

Mar 2016 | present

Member of Technical Staff
Instart Logic 📍 Palo Alto, CA. USA

- Developing, maintaining, deploying and automating of Gerrit + Jenkins pipeline, used by the engineering team
- Key and SSL certificate management with Netflix Lemur, to help DevOps and sales engineers for secure key generation and deployment for Instart CDN service
- Integrating Hashicorp services: Vault, Nomad and Consul to above projects, to enable secure, automated deployments with infrastructure as code
- Automated ticketing and compliance checks for production-level changes for security compliance and auditing
- Writing infrastructure deployment with Puppet

May 2015 | Mar 2016

Part-Time Contractor
Instart Logic 📍 Remote

- Continued maintaining automated tests and visualization software

Sept 2014 | Apr 2015

Software Developer - Internship
Instart Logic 📍 Palo Alto, CA. USA

- Developed QA infrastructure for automated browser tests
- Created proof of concept of automating Safari and Mobile Safari browser tests
- Created full stack visualization for platform, leveraging the browser tests to measure performance of features and checking for regressions

May 2013 | Aug 2013

Software Developer - Internship
EVault (now Carbonite) 📍 Oakville, ON. Canada

- Developed features for volume image based backups and restores for Windows servers with C++
- Improved and updated tests for the cloud backup product

Sept 2012 | Dec 2012

Software Designer - Internship
Blue Coat Systems, Inc. 📍 Waterloo, ON. Canada

- Developed features and bug fixes for the ProxySG network appliance in C++
- Prototyped Cisco NetFlow (network information aggregation) feature for the ProxySG
- Maintained the Java UI for the ProxySG

Jan 2012 | Apr 2012

Instructional Assistant - Internship
University of Waterloo 📍 Waterloo, ON. Canada

- Tutored the object-oriented programming course for computer science majors
- Reinforced student knowledge of basic UNIX tools, object-oriented programming in C++, and software development practices
- Created automatic testing scripts and tests for student assignment submissions

📂 SELECTED PROJECTS

2017 | Current

Lemur
Instart Logic, Inc.

- https://github.com/Netflix/Lemur
- Certificate and key management, used to help automate, manage and deploy secrets to serve customer traffic
- Improved Lemur with support for asynchronous certificate signing, integrating with Instart's keystore service
- Integrated with Vault to further secure and distribute Lemur configuration secrets

2016 | Current

Continuous Integration Infrastructure and Automation
Instart Logic

- Migrated and automated the development pipeline, streamlining developer workflow
- Improved the efficiency of builds with Nomad, using Docker containers, containerizing and shipping services
- Restructuring the entire build process for modern CI/CD practices

2014 | 2016

Test Automation and Visualization
Instart Logic

- Full stack development done to leverage WebpageTest to collect performance metrics for product testing
- Python and Java backends, with Jinja and AngularJS frontends, PostgreSQL database
- Infrastructure running on AWS EC2, with automated scaling done with CloudFormation
- Used by sales, engineering and data science teams to gather data on both current and future development

CONTACT INFO

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SKILLS

Python
Java
C++
Puppet
Groovy
R
HTML/CSS/JS (NodeJS, AngularJS)

EDUCATION

2010
|
2016

Bachelors of Computer Science
University of Waterloo

Honours Computer Science - Cooperative Program

📍 Waterloo, ON. Canada