

JAMES CHUONG

SOFTWARE ENGINEER

EXPERIENCES

Present
|
March
2020

Senior Software Development Engineer - UI

Automation Anywhere, Inc.

San Jose, CA. USA

- Led the UI development for Discovery Bot project by working with product and UX designers, planned UI development and interfaced with the backend team
- Developed flowcharts with user editing capabilities using React, as the main feature for the general availability launch of Discovery Bot
- Drove the transition to Typescript, and ensured code and component standardization throughout the company. Provided code reviews and mentoring to improve code quality

March
2020
|
Jun
2019

Senior UI Engineer

Instart

Palo Alto, CA. USA

- Created new dashboard pages for displaying metrics in Instart's customer portal in React + Redux for viewing network utilization
- Refined React components for custom queries and charts, and simplified the UI experience for the user
- Integrated new self-service UI workflows for Instart services, allowing customers to modify own configurations without requiring internal support

May
2019
|
Mar
2016

Senior Platform Engineer

Instart

Palo Alto, CA. USA

- Implemented, extended and deployed Netflix Lemur for DevOps and technical support, resulting in simplified certificate management and customer self-service workflows
- Developed C++ library for integration with Vault via REST APIs for internal key management system
- Created tooling and scripts in Python for managing operations hardware: switches, servers, databases
- Integrated and deployed services with Vault, Docker, Nomad, Kubernetes, Puppet and Salt

Apr
2015
|
Sept
2014

Software Developer - Internship

Instart

Palo Alto, CA. USA

- Created proof of concept of automating Safari and Mobile Safari browser tests with Selenium and ios-webkit-debug-proxy on real devices
- Developed QA infrastructure and visualizations for automated browser tests ProntoX
- Created A/B test visualizations, leveraging ProntoX to measure performance of Instart features and monitoring for performance regressions between releases

SELECTED PROJECTS

2018
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2017

Lemur - Certificate and Private Key Management

Instart @ <https://github.com/Netflix/Lemur>

- Certificate and key management, used to automate generation and deployment key material to serve customer traffic, streamlining the process for customer onboarding and allowing customers to self-service new configurations
- Researched, integrated, and deployed Lemur as the primary developer
- Improved Lemur with asynchronous certificate signing and integrating with Instart services
- Integrated with Vault to further secure and distribute Lemur configuration secrets

2017
|
2014

ProntoX - Test Automation and Visualization

Instart

- Full stack development for automating WebPageTest to collect product performance metrics
- Productized the original codebase from monolithic code with manual, one-off deployment to modules and templated Puppet deployments
- Automated worker scaling with AWS CloudFormation to reduce operational cost by 25%
- Used by sales, engineering and data science teams to gather data on our services, find potential customers and explore avenues for future development
- Paper written using ProntoX and WPT: Perceived Performance of Webpages In the Wild

EDUCATION

2016
|
2010

Bachelor of Computer Science

University of Waterloo

Waterloo, ON. Canada

Honours Computer Science, Co-operative Program

CONTACT INFO

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SKILLS

Javascript
Typescript
React + Redux
Python
Java
C++
SQL
Puppet
Docker
Kubernetes