MALCOLM MCKINNEY

SOFTWARE ENGINEER

EXPERIENCE

Software Engineer II
September 2018 – Present | LINE Corp, Tokyo, Japan

- Technologies Used: Java, Bash, MySQL, Vue.js, Drone CI, Kubernetes, Docker, Ansible, Karate, Verda (OpenStack)

- Utilized a graph database to link similar authors of stickers, emojis, and themes to enhance recommendation engine

- Made improvements to an internal tool which combines configuration management, build, and deployment services

- Developed PoC of a CI (Continuous Integration) service, which executes a Kubernetes Job to run an arbitrary script and Docker image and sends produced artifacts and logs to remote servers

- Eliminated memory leaks and modified authorization and authentication framework to be compatible with Spring AspectJ

- Used bash script and Reflection API to kill a UNIX process and descendants in Java 8 (Process API was later added in Java 9)

- Made API to kill hanging project build and application deployment processes running remotely on Kubernetes pods

- Used headless Chrome browser within Karate framework for UI automation tests and developed integration tests for core APIs

Software Engineer I
June 2016 - April 2018 | Amazon.com, Tokyo, Japan

- Technologies Used: Java, AWS, Dynamo DB, JavaScript, JBehave, Selenium, HTML, CSS

- Launched pharmaceutical service in which Class 1 over-the-counter medicines can be bought on the Japanese marketplace[1]

- Created mobile and desktop versions of medical questionnaire page and developed front-end form validation with jQuery and back-end form validation in Java

- Worked on Amazon Prime Pets, a service which Amazon Prime members can receive subscriptions, discounted items, and product recommendations for their household pets

CONTACT

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[1] https://bit.ly/3RUZi6S

Software Engineer I
November 2015 - May 2016 | Wayfair Inc, Boston, USA

- Technologies Used: PHP, MySQL, Tungsten.js, HTML, CSS

- Completed Wayfair Labs, an intensive twelve-week engineering bootcamp onboarding program

- Automated Google Ads (formerly AdWords) marketing campaign with a daily scheduled SQL cron job that removes products advertised online which are no longer in stock

Software Engineer Intern
June 2014 - August 2014 | Apple Inc, California, USA

- Technologies Used: Java

- Used multi-threaded version of hierarchical clustering to categorize and prioritize the Online Store's failing test cases

WORKSHOPS

Cocoa Camp
August 2013 | Apple Inc, California, USA

- Technologies Used: Objective-C

- Attended one week hackathon and demoed simple audio app for musicians to record, compose, and share music with friends

Google BOLD Immersion
August 2012 | Google, California, USA

- Developed campaign with modest budget constraints to get small-to-medium-sized minority-owned businesses online

EDUCATION

B.A. in Computer Science
August 2015
Cornell University, New York, USA

Study Abroad in Kyoto, Japan
April 2014
Doshisha University (KCJS), Kyoto, Japan

CERTIFICATIONS

Japanese Language Proficiency Test (JLPT) N2
August 2021

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