

Yunpeng li

SELF-DESCRIPTION

I am an innovative, open-minded, and energetic collaborator seeking a Software Developer/Engineer position. I have years of experience in architecting and implementing applications & services and very enthusiastic about new technology in general.

EMPLOYMENT

Senior Software Engineer	Uber Advanced Technologies Group	Feb 2020 – Present
Address: 579 20th St, San Francisco, California, USA, 94107		

- Designed and built centralized logging service for Uber ATG's continuous integration pipeline, which significantly improved error monitoring, error debugging experiences, and enabled build analytics.
 - Helping with creating the next generation of continuous integration's system & infrastructure for autonomous driving, focusing on improving efficiency and reducing cost by moving to the cloud (AWS).
 - Providing senior technical advice and solutions to teams in problem review sessions.
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Senior Software Engineer	Apple Inc.	March 2016 – Feb 2020
Address: One Infinite Loop, Cupertino, California, USA, 95014		

- Helped with designing and implementing the test automation pipeline for Apple News, which sped up the test execution time from hours to minutes.
 - Built a high-performance and scalable infrastructure using Jenkins, VM Cloud, and Kubernetes that reduced the product qualification time from daily to hourly.
 - Created In-A-Pod development helper service using Kubernetes that significantly increased developer & tester's productivity(doubled).
 - Built Web UI testing framework & service with the ability to Auto Scale using Selenium, VM Cloud, Dockerized Headless browsers (Chrome / PhantomJS), which significantly improved the stability and reduced the test execution time.
 - Expanded Apple News' testing infrastructure to support Integration tests from run on Merge to run on Pull Requests, from semi serial to full concurrent. Developer's efficiency increased by at least 100%.
 - Helped with recruiting and mentoring new members of the team.
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Software Development Engineer	IBM	June 2015 - March 2016
Address: 8200 Warden Avenue, Markham, Ontario, Canada, L6G 1C7		

- Participated in building the next IBM cloud datacenter.
 - Determined the best cloud configuration by performing metric analysis on various real client workloads, results in improving hardware resources efficiency.
 - Led in designing and contributing the initial implementation of IBM cloud image catalog service (for both VM and Container) with excellent performance and HA feature.
 - Implemented the VM provision agent (targeting KVM & QEMU), with excellent control for VM provisioning and monitoring.
 - Contributed to open-source software such as OpenStack.
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Software Developer	IBM	May 2014 - June 2015
Address: 3755 Riverside Dr, Ottawa, Ontario, Canada, K1G 4K9		

- Enhanced quality engineering automation framework from static builder to on-demand provision builder, which resulted in a huge increase in resource utilization.
 - Implemented a new test automation infrastructure pipeline targeting Cloud-based applications, with excellent fault tolerance and continuous integration built-in.
 - Built SDK and UI for various automation tools and integrated them into the main automation pipeline used by multiple QA teams.
 - Created infrastructure monitor & recover system using Node.js and NoSQL databases, solved the problem of flaky tests & improved the stability by a significant factor.
 - Led & coached intern students, and together finished multiple projects with great success.
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Sr. Automation Quality Assurance Engineer **Tangelo Games Corp.** **Oct 2013 - May 2014**

***formerly a.k.a Imperus Technologies Corp.**

Address: 65 Queen Street West, Suite 815, Toronto, Ontario, Canada, M5H 2M5

- High-performance web testing using headless browsers (Phantom-JS).
- Web front-end automation testing using JavaScript/jQuery together with Nodejs
- Helping the development team to improve existing projects.
- Develop tools using various types of programming languages.
- Review and select software tools and options would maximize efficiency.

More employment experiences available upon request / Go to my LinkedIn

EDUCATION

University of Guelph, Canada **Graduated: 11 June 2013**

- Bachelor of Engineering (B.Eng.)
- Engineering Systems & Computing Program, Major (Co-op) Honour program

PERSONAL PROJECTS

- Bonbon Bird iOS Game, published on App Store (off the shelf, due to working for Apple).
- Home efficient CI System using Raspberry Pi cluster (Kubernetes & Jenkins)
- Carpool app(iOS) with NodeJS Backend (REST), and Cassandra.
- Programmable drink mixer controlled by an Arduino microcontroller.
- IBM Hackathon Project for Toronto Public Library (Golang Backend & AngularJS Frontend)
- KaCha Information app (Firebase & Flutter)

TECHNICAL EXPERTISE

Java, Go, JavaScript, Python, Groovy, Swift, Assembly, Docker, Kubernetes, Helm, Jenkins, OpenStack, Spring, Vagrant, Chef, Bazel, AWS Services, Ansible, RabbitMQ, HAProxy, Flutter, React Native, Firebase, AngularJS, Cassandra, Solr, Apache, Nginx, IntelliJ, Visual Studio Code, MySQL, Mongo DB, MSSQ, DB2, Neo4j, Qemu, KVM, jQuery, OpenVPN, xCAT, MaaS, Agile, Linux, macOS, Windows, iOS, Android

References available upon request