

Christopher J. Kenyon

Senior Software Engineer

A Computer & Electrical engineer with 8 years of experience in various tech stacks - from shipping robotics and consumer hardware to building full application/web stacks. Well versed in complex system challenges and building quality infrastructure across all of those projects for test automation, release validation, and deployment. Looking for the opportunity to excel as a SWE Manager or Senior Engineer.

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WORK EXPERIENCE

Software Engineer III

Google LLC - AR/VR

09/2020 - Present

San Francisco, CA

- Tech lead for power and battery life reporting, validation, and budgeting efforts for the 1000 person organization, including register/clock/PLL characterization for a multi-core SoC.
- Cross-functionally led infrastructure efforts across hardware, software, Android, and custom OS teams for consumer device quality and telemetry.
- Benchmarked power, battery, usage, and latency performance across CUIs and synthetic data pipelines.
- Configured and scaled a lab of 15 devices with power instrumentation for org-wide availability.
- Constructed entire automated system and integration testing pipeline for multi-device testbeds with gigabyte-scale measurement.

Software Engineer II

Google LLC - Google Cloud

01/2019 - 09/2020

Sunnyvale, CA

- Tech lead for Quality initiatives of 30-engineer team.
- Constructed 3 large scale hermetic test infrastructures and test suites in cross team initiatives on complex projects.
- Managed 13 engineers in engagements for Engineering Excellence rotations for a total of 15 months of TL/management.
- Optimized release processes and project health with state of the art Google-scale global deployment infrastructures.

Software Engineer I

Digital Mortar, Inc.

08/2017 - 09/2018

San Rafael, CA

- Productionized the .NET MVP application to a secure and scalable production-ready product on Azure.
- Generated complex analytical C#, Android, and IoT projects from concept to user-delivered features.
- Interfaced with partners and clients to assess needs, and generated solutions from beginning to end to solve those needs.

VP of Engineering & Co-Founder

Treehopper, Inc. (Sold to Deel Inc.)

09/2017 - 08/2018

San Francisco, CA

- Founded and lead engineering of this startup, creating technical partnerships across companies, and operating quickly and on a tight budget.
- Architected an elegantly designed full web stack application from the ground up with Vue.js, Django, AWS with secure fintech integrations.
- Implemented scalable and safe deployment processes, including blue/green deployment on AWS Elastic Beanstalk on a custom VPC.
- Managed a rapid development process as the head of engineering, with a user-centric development cycle.

Software Co-op Engineer

Kumu Networks, Inc.

01/2016 - 07/2016

Sunnyvale, CA

- Designed and built a hardware & software automation test infrastructure for complex next generation wireless networking systems to measure RF signals at varied frequencies and configurations.
- Executed projects with tangible results, such as the reverse engineering external protocols into a Python driver, saving \$250,000.

WORK EXPERIENCE (CONT)

Software and Electrical R&D Co-op Engineer

Corindus Vascular Robotics, Inc.

01/2015 - 11/2015

Waltham, MA

- Refactored a monolithic C# architecture to a modernized state machine architecture as the principal developer for the 2nd generation product's .NET teleoperations application.
- Developed and implemented systems of C firmware on ARM processors in a complex robotic system using custom CAN communication.
- Lead a team of 5 interns.

SKILLS

Application Languages

Python | Java | C# | C++ | C | Go

Web Technologies

HTML5 | CSS / SASS | JavaScript | TypeScript
Performance | Accessibility

Database and Caches

Proto Schema | Indexing | SQL | Key-Value
Distributed Consensus

Development Operations

Automated Testing | Lab Orchestration
Release Pipelines | Code Readability
Feature Flagging | Monitoring/Alerting
GCP | AWS | Azure

Robotic/Device Technologies

ROS | Prototyping
Hardware/SoC bringup | Power Validation
Comms (I2C, PWM, SPI, UART, etc.)

EDUCATION

BS in Computer Engineering (EE/CE) and Computer Science

Northeastern University

09/2012 - 05/2017

3.81 GPA, 3.91 Major GPA, Dean's Scholarship, Dean's List
First Place in Senior Capstone Competition 2017

PORTFOLIO

Custom-built and styled from scratch.

For more information, such as work history pre-2015, see LinkedIn or my personal portfolio at

<http://chriskenyon.me>

For an easier-to-read version of this résumé, see

<http://chriskenyon.me/resume>