Kevin Lam

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Summary

- I am a Seattle-based engineer and I have worked in many mediums including games, network architecture and design, and full stack web development. My skill set is fairly diverse, ranging from web application development and debugging, network design and automation, and SQL experience in Oracle and MySQL.

Skills

- ✓ **Language**: JavaScript, Java, SQL, Python
- ✓ **Notation**: JSON, CSS, Sass
- ✓ **Database**: MySQL, Oracle, MongoDB
- ✓ **Framework**: Node.js, Express.js
- ✓ **Library**: jQuery, React
- ✓ **Markup Language**: HTML
- ✓ **Network Protocol**: HTTP/HTTPS, TCP/IP, DNS, DHCP, SNMP, FTP, SIP

Experience

FEB 2019 – PRESENT

Software Developer / University of Washington | Seattle, WA

Full-stack Web Development Bootcamp

- A 6-month intensive coding bootcamp that teaches students multiple stacks in both front-end and back-end web development
- The program provides skills that includes Computer Science fundamentals (Data Structures & Algorithms), Web based development (HTML/CSS, JavaScript, Bootstrap, React.js, Handlebars), Deployment (Heroku & Git), Databases (MySQL & MongoDB), Server side development with MERN (MongoDB, Express.js, React.js, Node.js), and Java

JUNE 2016 – PRESENT

Network and Systems Engineer / T-Mobile | Bellevue, WA

Network design and planning

- Increased capacity on the nationwide network by scaling out network applications and services
- Brought existing physical network nodes onto virtualized platform (RedHat OpenStack)
- Introduced Enhanced Voice Services (EVS) audio codec to the network and became the first carrier in North America to support it

Scam/Robocalling Protection

- Integrated scam database query mechanic on several network nodes on voice core and IMS network to identify scam calls
- Deployed network equipment to support STIR/SHAKEN protocol to verify callers
- Patented a design that ensures Emergency responders will not be spoofed by scammers/robocallers

Network Inventory Application (JavaScript, Node.js, Express.js, MySQL, HTML, CSS)

- Built an SQL database that contains network nodes data
- Developed the backend application that pulled the data from the database and created a RESTful API using JSON format
- Created a web application to lookup network nodes and display information based on user input

Automated KPI Reports (JavaScript, Python, HTML, CSS, MySQL)

- Developed a web application that takes KPIs from multiple nodes and displays it in a graphical format
- Implemented option for users to set up alerts and receive scheduled reports via email

SEPT 2014 – SEPT 2015

Senior Support Engineer / Synology | Bellevue, WA

Validation and Testing of Synology NAS OS ver. 5.3

- Co-created Wiki page for validation and test procedures for Tier 2 Support team
- Completed performance and load testing of hardware & software and resolved network related issues using Wireshark
- Launched in Nov 2015 and won CNET's Editors' Choice awards for most advanced OS for NAS servers

Research and Development of OS ver. 6.0

- Wrote new OS training material for the Tier 2 Support team
- Collaborated with teams overseas to translate training material for international markets

MARCH 2014 – SEPT 2014

IT Network Engineer / Navy Special Warfare Resilience Program | Seattle, WA

Automation of Daily KPI Reports

- Used object-oriented python scripting to automate daily KPI reports from network servers
- Received the Executive Awards for Innovation of the Month in July 2014 for the non-profit program

Relevant Projects

JUNE 2019

GoThere App / University of Washington

- An application that aims to encourage eventgoers and everyday commuters to carpool and/or take public transits. The app groups the users together based on their destinations and provides a platform for users to organize travel options with other users
- App was built using HTML, CSS, JavaScript, MySQL, Express.js, Node.js, Handlebars.js, Passport.js, Sequelize, RESTful API

MAY 2019

Network Inventory App / T-Mobile

- An inventory application that stores critical information of T-Mobile Nationwide core network. User can easily access and search for information on any network nodes on the network
- App was built using HTML, CSS, JavaScript, MySQL, Express.js, Node.js, Handlebars.js

APRIL 2019

IDBug App / University of Washington

- A simple & user-friendly web application that takes users' symptoms as input and outputs possible diagnosis, specialization, and addresses of doctors near users' current location
- App was built using HTML, CSS, JavaScript, jQuery, CryptoJS, Bootstrap, Google Firebase, RESTful API, Geolocation API & Better Doctor API

Education

JUNE 2016

Bachelor of Science in Electrical Engineering / University of Washington | Seattle, WA

AUGUST 2019

Full-Stack Web Development Bootcamp / University of Washington | Seattle, WA