Edward Sun
Front End Engineer

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U.S. Citizen

Enthusiastic, dedicated and motivated software engineer with particular passion in frontend development, I am efficient with Javascript, Typescript and Python. I have experience working with products including 3D simulation, embedded system and network security. I am actively seeking the opportunity to build outstanding products together with a group of passionate individuals for the organization and the community as well.

WORK EXPERIENCE

Leica Geosystems HDS, San Ramon, CA   *2016 – 2018*
Frontend Developer
Responsible for development, automation, testing on the client side of cloud application.

Responsibilities:
- Developed reusable user interface components with **Angular**
- Design and implement features with **JavaScript ES6**, **Typescript**
- Implemented **RESTful** API to facilitate communication between client and server
- Working closely with QA team on troubleshooting and debugging issues
- Feature and Sprint task management with **Jira**
- Version control with **Mercury**
- Web automation with **Selenium**
- Attend daily **SCRUM** meetings to keep track of ongoing project status and issues.

Blackfire Research Corp, San Francisco, CA   *2015 – 2016*
Software QA Engineer
The project at Blackfire involved working with multi-cast system designed and developed by the firm

Responsibilities:
- Design and implemented code in **Python**
- **Programming in shell** to assist with engineer tasks and daily work flow
- Performed **Stress Assessment** under severe network conditions such as weak signal strength
- Use **Wireshark** and **iPerf** to conduct network diagnostic and bandwidth measurement
- Building and running **Android** application with **Eclipse** IDE on actual devices
- Skillful use of **UNIX** commands and Shell Script to initiate test and logging procedure
- Periodically follow up with project manager and team lead with latest report
- Systematically debugging android mobile app under **Linux** environment

Lakestic Network Security, Sunnyvale, CA   *June 2014 – Jul 2014*
Intern
- Developed packet-parser program in **Python** to parse Wireshark captured pcap files
- Designed and developed Windows File System Monitoring program in **C#** using **.NET APIs**
- Programming in **Java** with **Selenium WebDriver API** to check functionality on client's web application
- Conducted vulnerability assessments, firewall configurations and security implementations
- Setup and Configuring **virtual machines**, and continuously monitored their status
- Quickly learn new techniques and apply them into ongoing projects, further developed analytical and technical skills by working on projects
- Obtained extensive experience in **Wireshark**, **Metasploit** Framework, **Kali Linux** and other security assessment tools

PROJECTS

Netdish Website:
- Full stack application built in Angular 6, Express, Node, MongoDB(MEAN stack), Bootstrap
- User can register either by email or login with Gmail to place orders
- Socket.io is used to gather information about total number of online users for analytic purpose
- Authentication with JWT, Route protection implemented
- Integrated with Google login API, Facebook API, Google Map API,

Technologies: Angular 6, Express, Node.js, MongoDB, Bootstrap, Socket.io

DeveloperConnector:
- Full stack social application for networking between developers via social media
- Built in React, Node, Express, MongoDB
- Authentication with JWT, Route protection implemented
- Authenticated user has access to edit or remove their own posts

Technologies: React, Express, Node.js, MongoDB

MyBlog:
- Full stack application for registered user to create blogs, image upload is supported
- Authentication with JWT, Route protection implemented
- Authenticated user has access to edit or remove their own posts

Technologies: Angular 6, Express, Node.js, MongoDB, Bootstrap, Socket.io

TECHNICAL EXPERTISE
- **Programming Language**: Python, Java, JavaScript, SQL
- **Web Frontend**: HTML5, CSS3, Angular 6, Typescript, JavaScript, jQuery
- **Web Backend**: Node.js, Express.js, Django, Flask, MongoDB
- **Database**: Oracle 11g, MS SQL Server 2008/2012, MySQL
- **Operating System**: Ubuntu 16.04 LTS / 14.04 LTS / 12.04 LTS, OSX 10.12, Windows 10 / 8 / 7
- **Browsers**: Mozilla Firefox 55/54/50/38/37, Google Chrome 53/44/43
- **Web Services**: RESTful, OAuth
- **Defect Management Tool**: Jira, Bugzilla
- **Version Control System**: Mercurial, Git
- **Building Tool**: Maven, Gradle
- **IDE**: VS Code, Atom, PyCharm, Eclipse, Android Studio, Visual Studio, SQL Developer

EDUCATION
Bachelor Degree in Accounting Information System, San Jose State University   May. 2013

Certificate:
Full Stack Development Certificate, Coding Dojo   2017