

# Edward Sun

Software Engineer

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U.S. Citizen

Enthusiastic, dedicated and motivated software engineer with particular passion in full stack development, I am efficient with Javascript, Python and Java. 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

*Front End Engineer*

Responsible for development, automation, testing on the client side of cloud application.

### Responsibilities:

- Developed reusable user interface components with **React in Javascript (ES6)**
- Skillful using modules and tools like **Redux, React-Router, Bootstrap, Webpack**
- Designed and created internal tools for engineer team in **Python**
- Implemented **RESTful** API to facilitate communication between client and server
- Worked with **3D CAD software and Laser Scanner product** developed by the firm
- 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** to keep track of ongoing project status and issues.

**Blackfire Research Corp**, San Francisco, CA

2015 – 2016

*Software Development Engineer In Test*

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 related tools to conduct network diagnostic and bandwidth measurement
- Building and debugging **Android** application 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

### DeveloperConnector:

- Full stack application for social networking between developers via social media
- Built with various modules and libraries including React-Router, Redux, JWT
- Built in React, Node, Express, MongoDB, Webpack
- Registered user can publish posts and make comments on other users' posts
- Integration with GitHub api

**Technologies:** React, Redux, Express, Node.js, MongoDB, Bootstrap, FontAwesome

### 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
- Integrated with Google login API, Facebook API, Google Map API,

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

### 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(ES5,ES6), SQL
- **Web Frontend:** HTML5, CSS3, Angular 6, Typescript, JavaScript, jQuery, FontAwesome
- **Web Backend:** Node.js, Express.js, Django, Flask, Webpack
- **Dev Tools:** Postman, VS Code, AWS EC2, Google Cloud Platform
- **Database:** Oracle, MySQL, MongoDB, PostgreSQL
- **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
- **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