

Edward Sun

Software Engineer

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Portfolio: edwardsun007.github.io

U.S. Citizen

- Enthusiastic, dedicated and motivated software engineer with passion in full stack development
- Experience in full stack framework including **React, Angular, Node.js, MongoDB, Django, Flask**
- Efficient with **JavaScript, Python** and **Java**.
- Experience with products including **3D simulation, embedded system, network security**.
- I am a faster learner and a good team player, currently seeking the next opportunity to work together with a group of passionate individuals for the organization and the community as well.

TECHNICAL SKILLS:

Proficient : JavaScript (ES6 / ES5), Python, Node, React, Angular, CSS, HTML, Express, MongoDB

Experienced : Java, Mongoose, RESTful API, jQuery, Django, Flask, Webpack, MySQL

WORK EXPERIENCE

Freelance Web Developer (Current)

Leica Geosystems HDS, San Ramon, CA

Oct 2016 – Jan 2019

Frontend Developer and Automation Engineer

Responsible for automation, development, testing of the cloud based application.

Responsibilities:

- Developed components with **React** for application that is used by vast amount of customers
- Skillful using modules and tools like **React-Router, Redux, Bootstrap, Webpack**
- Created internal tools for engineer team in **Python** which improved productivity by over 100%
- Deployment for production on **AWS**, worked on **Docker** container and maintained **kubernetes** cluster
- Implemented **RESTful** API to facilitate communication between client and server
- Worked with **3D CAD software and Laser Scanner product** developed by the firm
- Feature and Sprint task management with **Jira**
- Version control with **Git**
- Web automation with **Selenium**

Blackfire Research Corp, San Francisco, CA

Sep 2015 – Oct 2016

Software Development Engineer In Test

The project at Blackfire involved working with multi-cast system designed and developed by the firm

Responsibilities:

- Built internal tools in **Python** that significantly improved efficiently and cut down engineer overhead
- Created **shell scripts** that handle repeating processes which greatly improved daily productivity
- Performed **Stress Assessment** under severe network conditions such as weak signal strength
- Building and debugging **Android** application on a variety of devices
- Skillful use of **UNIX** commands and Shell Script to conduct test and logging procedures
- Periodically follow up with project manager and team lead with latest report

Lakestic Network Security, Sunnyvale, CA

June 2014 – Jul 2014

Intern

- Developed packet-parser program in **Python** to parse Wireshark captured pcap files
- 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

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

GitHub: <https://github.com/edwardsun007/DeveloperConnector>

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,

GitHub: <https://github.com/edwardsun007/NetDish>

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

GitHub: <https://github.com/edwardsun007/myBlog>

Other Technical Expertise:

- **Dev Tools:** Postman, VS Code, AWS EC2, Google Cloud Platform
- **Web Services:** RESTful, OAuth
- **Defect Management Tool:** Jira, Bugzilla
- **Version Control System:** Mercurial, Git
- **Operating System:** Ubuntu 16.04 LTS / 14.04 LTS / 12.04 LTS, OSX 10.12, Windows 10 / 8 / 7

EDUCATION

Bachelor Degree in Accounting, San Jose State University

May. 2013

Certificate:

Full Stack Development Certificate, Coding Dojo

2017