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# STANLEY WAN

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## **OBJECTIVE**

A self-driven recent graduate of Computer Science master's degree with Full Stack Software Engineer experience, seeking a full-time job opportunity in the Full Stack, Frontend and Backend Software Engineer field.

## **TECHNICAL SKILLS**

- ReactJS
- JavaScript
- Next.js
- PHP
- Git
- Node.js
- Communication Skills
- SDLC
- Typescript
- AWS
- SQL/NoSQL
- Python
- RESTful APIs
- Agile
- CSS/HTML/XAML
- JSON

## **RELEVANT EXPERIENCE**

**UI Engineer**, Hypergiant, Austin in USA  
<https://hypergiant.com/>

(2021 - 2022)

This is an AI platform (Hyperdrive) for data scientists and data engineers to train data, package model and publish model in JavaScript, Java and MySQL.

- Building SaaS UI components features based on the purposes of multiple industry areas purposes using modern industry-adopted languages and frameworks e.g. (Chakra UI, Next.js, SCSS, React.JS, Typescript, and bunch of modules).
- Created reusable custom components in React.JS with Chakar UI, reducing the application coding pressure.
- Developed custom front-end features in Typescript to enhance the stability of local states in ReactJS, accelerated designing components by custom hooks in ReactJS.
- Customized Theme in Chakra UI, styling the components inherit values from the default theme.
- Designed GraphQL with backend services RESTful API improved client performance of single-page application (SPA). Optimizing API calls using modular application design and light weight dependencies..
- Using URQL to handle GraphQL requests to the backend services, simplify the local state.
- Applied Agile Scrum methodologies and processes, for better team performance, by reducing task dependencies (Github, Atlassian, Trello, Confluence).
- Responsible for developing the UI pages using Javascript, React.JS, HTML5, CSS3, SASS, Chakar UI, JSON and Java.
- Utilized ReactJS in the development of an internal employee management system and a questionnaire, test and feedback system.
- Involved in improvement of existing applications utilizing ReactJS and creating HTML5 navigation menu which is role-based for the menu items changes dynamically based on the values fetched from the database.
- Experience in ReactJS unit testing tool JEST.
- Wrote various ReactJS custom directives and developed many reusable components and templates that can be reused
- Used Front-end task running tool Next.js compile, concatenate and test the project.
- Created forms to collect and validate data from the user in HTML5 and JavaScript.
- Worked closely with PM teams and UX designers in the business logics analysis on the features as compatible customers needed to assure that UI components will present correctly.

- Worked in all phases of Software Development Life Cycle (SDLC), including requirements analysis, design and development, bug fixing, supporting QA teams and debugging production issues.
- Rebuilt web components to fit in the latest web standards and the update backend API.
- Worked in scrum process attending daily stand up and completing tasks in sprints.
- Developed Unit Test by Junit to test the business logics.

**Full-Stack Software Engineer**, Asiayo, Remote in USA

(2020 - 2021)

<https://asiayo.com/>

This is secured transaction of travelling and reservation booking website likes air b&b programming in JavaScript, PHP and MySQL.

- Designing front-end features across multiple platforms using modern industry-adopted languages and frameworks e.g. (Bootstrap4, HTML, CSS, React.js, and bunch of modules).
- Designed RESTful services using Node.js and MySQL, improved server performance of existing applications. Optimizing API calls using modular application design and light weight dependencies (Laravel and PHP).
- Applied Agile Scrum methodologies and processes, for better team performance, by reducing task dependencies (Github, Bitbucket, Trello).
- Responsible for developing the UI pages using HTML5, CSS3, SASS, JavaScript, ReactJS, Bootstrap, JSON and Ajax.
- Used ReactJS based AJAX & JSON communication to access RESTful web services data.
- Wrote various ReactJS custom directives and developed many reusable components and templates that can be reused at various places in the application.
- Implemented responsive web design using media queries and Bootstrap.
- Used Front-end task running tool Grunt compile, concatenate and test the project.
- Created forms to collect and validate data from the user in HTML5 and JavaScript.
- Worked on cross browser compatibility issues and running on different browsers like Safari, Internet Explorer, Firefox and Google Chrome.
- Worked closely with business system analysis on backend team to understand backend APIs and ensure that UI component will work correctly.
- Rebuilt web components to fit in the latest web standards and the update backend API.
- Provide solutions and debug data process by JavaScript and AWS.
- Solved lazy loading MySQL database tables, optimized SQL queries.
- Used SVN tortoise for file Management.

**Full Stack Engineer**, Lyles Center for Innovation and Entrepreneurship, Fresno, CA

(2019 – 2020)

- Design and define the architectures of Alexa innovation projects with IoT based devices.
- Created several types of ChatBots for a Facebook page, websites, and FB marketplace.
- Worked with the Model-View-Controller MVC architectural pattern and developed web application using this pattern or on existing MVC frameworks.
- Solved lazy loading MySQL database tables, optimized SQL queries.
- Developed several report tools in Python, used DB sorting, filtering etc.
- Migrated PHP platforms to Python platform.
- Developed and maintained complex projects.
- Created complex Modules and Components for existing website platform.
- Worked on application and developed them with XML, JSON and Python.
- Designed and Developed API.
- Developed and created Python MySQL applications as per the specifications.
- Built AJAX/JQuery pages using Python and created various asynchronous web applications.
- Manage the project baseline schedule and weekly updates.
- Built custom Alexa skills for guiding new students and faculty affiliated with the California State University system

- Design and develop Robotic features with Amazon Web Service RoboMaker.
- Implement robotic systems by Python, JavaScript and Linux.

**Senior Software Engineer**, AU Optronics Inc., Taiwan

(2015 – 2016)

- Maintained several existing PHP projects.
- Developed CMS components.
- Worked with HTML, CSS, JavaScript, web, browser, and accessibility standards.
- Supported several Real Estate website built in PHP.
- Implemented PSD theme to WordPress.
- Worked developer several WordPress websites.
- Improved several type of CMS performance.
- Maintained existing Real Estate PHP websites.
- Implemented AJAX and JQuery on Front-End to make the web page more dynamic.
- Designed theme using HTML/XHTML, CSS.
- Used JavaScript to make interactive websites.
- Used advanced level of HTML5, JavaScript, CSS3 and pure CSS layouts table less layout.

**Process Analysis Engineer**, Visera, Taiwan

(2014 – 2015)

- Designed foundry processes to stabilize the quality of castings of developing wafer.
- Developed processes and standard work for high volume manufacturing cells.
- Introduced additive manufacturing in assembly fixture design, valve prototyping, and pattern plate design.

## **PROJECTS**

### **Smart campus**

- A better overall use voice-assisted and smart ‘Internet of Things’ technologies to streamline basic business functions and multitasking through Alexa.
- Design based on Alexa for Business to simplify the meeting room experiences and interact with the existing conferencing equipment and meeting solution
- IoT equipment, DynamoDB, Lambda function and API are based from Amazon Web Service and Alexa Skills Kit

### **Fresno State Reservation System**

- A proof of concept of automation reservation system which make students and faculties arrange their meetings more efficiently and more easily through Alexa.
- Users can make reservations, cancel reservations and start reservations via Alexa.
- DynamoDB, Lambda function and API are based from Amazon Web Service and Alexa Skills Kit.

### **Student Hub (<https://studenthub.io>)**

- A website provides students a place to post their documents, files and notes for their classes. Users can leave the comments for each post and users can create study groups for subject.
- Users need to log in to use the services and users accounts are only signed up by .edu email.
- Database, API, Authenticity and Lambda function are based from Amazon Web Service and React.

## **EDUCATION**

### **California State University, Fresno (Fresno State)**

Master of Science: Computer Science

**Feng Chia University, Taiwan**

Master of Science: Materials Science and Engineering

**LANGUAGE**

Fluent in English with writing and reading proficiency.

Native in Chinese-Mandarin with writing and reading proficiency.