STANLEY WAN

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OBJECTIVE

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

TECHNICAL SKILLS

- ReactJS
- JavaScript
- Next.js
- Flask
- Git
- Node.js
- Communication Skills
- SDLC

- Typescript
- AWS
- ReChart
- Python
- RESTful APIs
- Agile
- CSS/HTML/XAML
- JSON

RELEVANT EXPERIENCE

UI Engineer, Apple, Austin in USA   (2022 - present)
https://www.apple.com/

This is a modern dashboard platform for data scientists and data engineers to monitor and analyze the data coming from the retail stores in Javascript, React, Python, Rechart.

- Built data dashboard platform components features based on the purposes of multiple retail stores purposes using modern industry-adopted languages and frameworks e.g. (Chakra UI, Next.js, SCSS, ReactJS, Typescript, and a bunch of modules).
- Used Rechart as visualization libraries to create the graph based on the data, helping the users to have more straightforward concepts when analyzing the data.
- Developed user-interfaces for computing the data from the backend server and enhanced the ability to monitor the visualization by Rechart, ReactJS and modern libraries.
- Used React Hook to maintain the Life-Cycle of rendering the pages
- Set up Flask Backend Server to have REST APIs interact with the UI.
- Customized tooltips and all charts in the Rechart library by the clients' requirements.
- Set up Eslint and Prettier config files to assist aligning the coding styles for all the developers.
- Used Github Action to build the CI/CD pipeline in Github.
- Used Caches to reduce the response time through the users behavior process
- Created Typescript reusable components with Chakra UI and services to consume REST APIs using Component-based architecture provided by React JS.
- Customized Theme in Chakra UI, styling the components inherit values from the default theme
- Responsible for the style, look, and feel of the web page with SASS that extends CSS with dynamic behavior such as variables, mixing, operations, and functions.
- Involved in all the phases of Software Development Life Cycle (SDLC) including Requirements gathering, Designing, Programming, Testing, Debugging, maintaining and Documentation of UI projects

- Customized the features of allowing users to get help for their apple devices and created SPA by configuring Nextjs router for navigation and routing.
- Responsible for the front end integration of Restful APIs and related APIs with React, as well as creating and maintaining well-structured code architecture.
- Created a Flask server to handle the CRUD request between JupyterLab and the platform.
- Built and debugged powerful client-facing produces alongside white making use of the features of git version control
- Used JEST to write unit, component testing and user behavior type testing with react-testing-library.
- Included Mock Service Work (MSW) as responses from the REST API in JEST.
- Worked in scrum process attending daily stand ups and completing tasks in sprints.

UI Engineer, Hypergiant, Austin in USA
(2021 - 2022)
https://hypergiant.com/

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.

- Created reusable custom components in React.JS with Material 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 Material 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, Atlassiant, Trello, Confluence).
- Responsible for developing the UI pages using Javascript, React.JS, HTML5, CSS3, SASS, Material 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)

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.