

Experience

Software Engineer

Alibaba, Inc

March 2021 - June 2022

Build the Dingtalk Data Table

- Implement the real-time collaborative editing feature using the Operational Transformation Algorithm
- Design and implement a plugin system to imbue the Data Table SDK with good reusability and extensibility
- Design and implement a react virtual scrolling component to improve the performance of the web app

Build the Dingtalk OKR

- Build the main OKR page
- Build the OKR card component and integrate it within Dingtalk Doc

Software Engineer

ThoughtWorks, Inc

November 2018 - March 2021

Rebuild the motor insurance products for Suncorp

- Deliver the reimagine projects for GIO, SUN and AAMI brands
- Provide an unified solution to form writing
- Help other team members to build their capabilities of unit test and front end development
- Facilitate agile activities

Frontend Developer

Keruyun Technology (Chengdu) Co., Ltd

February 2017 - November 2018

Manage the frontend development of the supply project

- Use Redux and ImmutableJS to do state management
- Fix a bug for Jest during a TDD session
- Use React-Router to manage routes

Manage the frontend development of the merchandise project

- Write an component lib to share components between the supply and the merchandise project
- Create an unified solution to interact with the backend based on Redux Thunk

Freelance Fullstack Developer

Freelancing

May 2015 - December 2016

Implement R2R, a Single Page Application, helping people learn English

- Use Axios to communicate with the backend
- Use NativeBase to draw the user interface
- Write a pagination component for the material-ui library with a monthly download number of 8000
- Implement the EPUB reading feature
- Use InoReader API to implement the RSS relevant features including article reading and caching
- Use Iciba API to implement the feature of querying words in real time
- Write and publish sm2-plus npm package to improve the efficiency of vocabulary learning process
- Do requirement analysis with Kano model

Create the prototype of an arduino based recovery monitoring system of bone injury

- Collect the accelerometer and gyrometer data with MPU-6050
- Send the data through wifi using UDP protocol with Arduino
- Process the data with Kalman filter
- Draw graphs with Matplotlib

Software Engineer Powerock LLC

September 2014 - October 2015

Build an easy to use wifi cracking tool

- Capture packets with Airdump-ng and deauthenticate clients from AP with Aireplay-ng automatically on multiple Modified Raspberry Pi
- Crack wifi password with Aircrack-ng
- Accelerate password cracking process of both WPA and WPA2 with GPU powered hashcat as well as the Rainbow table method

Open Source

Jest (<https://github.com/facebook/jest/pull/3334>) : A Pull Request To Solve A Cache Related Bug For Jest

material-ui-pagination (<https://github.com/lo-tp/material-ui-pagination>) : A Pagination Component For Material UI Lib

MeteorN (<https://github.com/lo-tp/MeteorN>) : A Simple Tool to Run Meteor App with an Nginx Reverse Proxy

Lotp's Blog (<http://blog.lotp.xyz/>) : My Personal Blog

sm2-plus (<https://github.com/lo-tp/sm2-plus>) : A Javascript Implementation of SM2+ Learning Algorithm

Education

Bachelor for Engineering in Information Security Donghua University

September 2010 - September 2014

- Founder and first Captain of XFactor, the only interschool football team in the university town
- Champion of the academic debate competition as well as the best speaker of the final in the first semester

Language

IELTS: 7

- Good communications skills in English

Skills

Html

Vim

React

CSS

Git

Redux

Terminal