Shelly Cheng

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Summary

A Software Engineer who is proficient in both frontend frameworks and backend infrastructure with languages such as React/Redux, JavaScript and HTML with CSS/SASS for frontend and server-side tools such as Expressis and MongoDB. With background as Project Manager, I have direct experience working with and leading cross-functional teams on developing client-facing product.

Projects

Covid19 Open Api - GitHub

March 2020 - April 2020

An free open source api for Covid19 county case data. Currently has more than 1000 clones on GitHub.

- Built a wikipedia web crawler from scratch with cheerio to parse and sort data into readable JSON format
- Developed fetching workflows by creating cron jobs to output time-series data automatically

Mapitout - GitHub | Demo

March 2020 - April 2020

A platform aim to help local restaurants on their revenue lost during the shelter in place time as well as provide virus-related information.

- Implemented image uploading pipelines in NodeJS by integrating with AWS S3 API and utilizing environment variable to safely manage secrets/keys.
- Designed and implemented multiple RESTful API with MongoDB and Express framework
- Built series of data visualization charts in React by connected with the Covid19 open API

Skills

- Frontend: Advanced HTML, CSS(SASS), Vanilla JavaScript, React/Redux, SEO, RWD optimization
- Backend: Express, MongoDB, PostgreSQL/MySQL, Django, JWT(JSON Web Token), AWS S3/SES/IAM
- Languages: JavaScript, Nodejs, Python
- DevOps: NPM, Heroku, GitHub Action, Linux shell script
- Creativity software: Figma, Sketch 3, Adobe Photoshop, Adobe Illustrator, Adobe XD

Work Experience

Software Engineer

San Francisco, CA

Jan 2020 – Present

- BayDesign • Built web-based single-paged application with React/Redux, and implement continuous delivery pipeline(CI/ **CD)** with TravisCI
 - Designed **RESTful APIs** with Express framework and data schema in MongoDB/SQL, and improved test coverage with **JEST testing framework(TDD)**
 - Implemented client needs from hosting and configuring DNS on cloudflare, to deploying and managing multiple NodeJS codebase on **Heroku** and debugging with application console

Project Manager

Philadelphia, PA

InstaHub (IoT lighting automation solution Start-up)

May 2019 – December 2019

- Led a team of 10 people to develop the company website by cross-functional communication between back-end developers, front-end developers and UI/UX designers which decreased the bounce rate by 10%, increased visitors by 200% and page views by 400%
- Refactored company landing page by redefining technical roadmap, led marketing and engineering team by hosting daily and weekly sprint
- Initiative and led web development team to re-build career page from scratch, implement dynamic milestone widget, and launch interactive energy saving calculator component
- Led the team to launch the first version of data dashboard, from planning, prototyping, to building up data pipeline that transform AWS RDS into AWS QuickSight

Education

University of Illinois at Urbana-Champaign Master of Science in Technology Management National Chengchi University Bachelor of Science in Management Information Systems Champaign, IL August 2019 Taipei, Taiwan June 2018