Shelly Cheng

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Summary

A Software Engineer who is proficient in both frontend frameworks and backend infrastructure with languages such as R**eact/Redux**, **JavaScript** and **HTML** with **CSS/SASS** for frontend and server-side tools such as **Expressjs** 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
BayDesign   Jan 2020 – Present
- Built web based application with **React/Redux**, managed RESTful APIs and designed data schema in **MongoDB/SQL**
- Implement client needs from hosting, testing to deployment to ensure project is running smoothly and eliminate potential risks
- Deployed and managed multiple NodeJS codebase on **Heroku** and debugged 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   Champaign, IL
Master of Science in Technology Management   August 2019
National Chengchi University   Taipei, Taiwan
Bachelor of Science in Management Information Systems   June 2018