

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 **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](#)

An open source API for Covid19 county case data.

- 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](#)

*A platform aims to help local restaurants on their revenue lost during the shelter in place time as well as provide virus-related information. **After first launch, Mapitout has attracted more than 1600 users in two days.***

- 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.

StartKicker MERN – [GitHub](#) | [Demo](#)

A platform where users can browse different projects and back the project as well as create a project to seek support.

- Kickstart-clone in MERN stack with integration of **AWS SES** and **Stripe payment API**. Deployed on **Heroku** and **GitHub** pages.
- Parsed and formalized time data with **Moment.js** for use in data storage in **MongoDB** and assure organized data objects to send for frontend rendering.
- Kept the network and private resources secure by managing authorization with server-side verification and **JWT**.
- Collected user payment and secured payment information by implementing **Stripe payments 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:** Sketch 3, Adobe Photoshop, Adobe Illustrator, Adobe XD (Experience Design)

Work Experience

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%.
- Executed on website design, social media strategy, business development strategy and sales pipeline which provided overall strategy and direction for the company and for sales and marketing team to follow.
- Introduced HubSpot to the team and utilized it for business development and outbound lead tracking which improved the customer journey and successfully pulled off 3 pilot projects in 1 month.
- Implemented project management tool Asana for teams, which helped hit milestones with a high quality bar.

Education

University of Illinois at Urbana-Champaign
Master of Science in Technology Management

Champaign, IL
August 2019

National Chengchi University
Bachelor of Science in Management Information Systems

Taipei, Taiwan
June 2018