Jack Wong

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Education

Undergraduate (expected graduation in 2021 summer)
Bachelor of Computing in Computer Science (Honours),
National University of Singapore
Specializing in Software Engineering.

Experiences

May - Oct 2019 (six-month internship)

Software Engineer Intern at SP Digital (SP Group), primarily as a web developer.

- Implemented mobile-responsive consumer-facing web pages (production) that handle user inputs which have more than 10,000 unique visitors in a week.
- Refactored the codebase by changing the static pages generator from Jekyll to Hugo to significantly increase rendering speed.

   Some of my works:
   - https://utilities.spdigital.sg/ (landing page)
   - https://utilities.spdigital.sg/greenup/ (GreenUP project)
   - https://utilities.spdigital.sg/smart-meter-app-form/

   and many other pages.

Summer 2018 (Teaching experience)

Coding instructor at ID Tech. I teach high school students
- building desktop apps in Java using Processing framework.
- fundamentals of website building, basics of programming (in Python and C++) and coding applications in Microbit (programmable computing device).

   Company (ID Tech) LinkedIn profile website:
   https://www.linkedin.com/company/id-tech-camps/

Skillset:

- **Comfortable** with Java, Javascript/ES6, HTML, CSS/Sass, ReactJs, VueJs, ExpressJs, NodeJs, MongoDB, Python, C++, C, Git
- **Had used** Rails, Jekyll, Hugo, Springboot, Flutter, Ruby, Flutter (Dart), Travis CI, Docker, Nginx, Postgresql, Mysql, MongoDb, AWS, Google Cloud Platform

Personal Projects

Dec 2020

Built (individually) an e-commerce web app using **MERN (NoSql)** stack, **Redux** and **JWT** auth, with public and authenticated **REST API** endpoints. Deployed to **AWS ElasticBeanstalk**.
Site: http://cloudshop-env.ap-southeast-1.elasticbeanstalk.com/
Github repo: https://github.com/jackedelic/CloudShop

Sep-Nov 2020

Built a conference management system (webapp) with two partners. I worked on implementing a new major subsystem which mimicks social networking, mostly dealing with frontend and backend API. The project uses **BootstrapVue**, **Vue + Vuex**, **Spring Boot Rest** and **MySql**.
Github repo: https://github.com/jackedelic/Chairvise/tree/master

June 2020

Built (individually) a full-stack web app with basic social networking functionalities using **MERN** stack, **Redux** and **JWT** auth, with public and authenticated **REST API** endpoints. Used **Mocha/Chai** + **TravisCI** for automated API endpoints testing. Deployed to **AWS ElasticBeanstalk**.
Site: http://devbook.ap-southeast-1.elasticbeanstalk.com/
Github repo: https://github.com/jackedelic/DevBook

Summer 2018

Built a peer-to-peer food delivery mobile application (IOS and Android using **Flutter**) with a partner. I am responsible for the frontend.
Demo: https://jackedelic.github.io/sambl/
Source code: https://github.com/jackedelic/sambl

2018 - current

Wrote articles/tutorials on Medium about Flutter (mobile app SDK) and practical **Software Engineering principles**.
Medium website: https://medium.com/@jackwong_60367