Mark Lee

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SUMMARY OF QUALIFICATIONS

1.5 years experience as an Angular / NodeJS developer with a portfolio that displays my ability to assess user needs to create a user-centric full-stack application.

TECHNICAL SKILLS

Javascript, Typescript, Angular, HTML, CSS, NodeJS, ExpressJS, MongoDB, Git / Github

PROJECTS

Class Scheduler (2017-2018)   *Angular, Typescript/ES6, HTML, CSS, Bootstrap, Firebase, Amazon S3*
- Communicated with and assessed teacher needs to create an app with a familiar UI to ease user transition.
- Recognized promise chaining / callback hell in signup system and found a cleaner alternative in Promise.all
- Implemented a global error handler to reduce repeat code. However, expired token errors were caught outside the 'Angular zone', thus certain binded variables did not update upon logout. Created a 'redirect system' that returned the app to the 'Angular zone' so variables could properly update.

Password Keychain (2018)   *NodeJS, ExpressJS, MongoDB, Mongoose, Angular, HTML, CSS, Bootstrap, Postman, Robo3T*
- A password manager that generates, encrypts, and stores random, strong passwords.
- Connected front end and back end after understanding preflight requests and implementing the appropriate CORS headers. Initially struggled with not knowing why my server accepted Postman requests and not client
- On making the app auto deploy itself for production using 'postinstall' instead of manual deploy for Class Scheduler, I figured that I had to properly configure the directory for 'index.html' relative to the resulting /dist folder and not the development folder.

WORK EXPERIENCE

Minamisatsuma City Board of Education   Kagoshima Prefecture, Japan
Assistant Language Teacher (ALT)   August 2016 – July 2018
- Took initiative in creating a modern web app to replace the inefficient fax system for scheduling & planning.

Dynamo Micropower   Somerville, MA
Electrical Engineering Co-op   January 2015 – June 2015
- Consulted the control flow logic of heater unit for troubleshooting & maintenance of operations.

Jacobs – Kling Stubbins   Cambridge, MA
Electrical Engineering Co-op   January 2014 – June 2014
- Created an AutoCAD script that reduced the workload duration of a repetitive task from ~30mins+ to 2 mins.

EMC Corporation   Hopkinton, MA
Hardware Logic Design   January 2013 – June 2013
- Loaded firmware, BIOS, POST of certain revisions into new boards for either testing or updating.

EDUCATION

Northeastern University   Boston, MA
Bachelor of Science in Electrical Engineering   May 2016
with minor in Business Administration

HOBBIES & OTHER SKILLS

Regularly play and watch basketball (NBA). Can speak / read Japanese at an intermediate level. Can speak Cantonese conversationally. Currently learning Korean. Always on the look out for delicious dishes to recreate.