JOECO FONG

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https://joeco.me

SKILLS AND QUALIFICATIONS

FRAMEWORKS/LIBRARIES

- Node, ASP.NET, JWT.io, Express.js, Socket.io, Phaser.js, Java Persistence API, Mongoose

LANGUAGES

- C++, C#, Java, JavaScript, C, SQL, NoSQL, Python

FRONTEND FRAMEWORKS

- React, MaterialUI, Bootstrap, PrimeFaces, JavaServer Faces

DEVOPS/SYSADMIN

- AmazonEC2, Dockers, PM2, NGINX, Heroku, Git, Firebase, WildFly, Maven, MySQL, MongoDB

PROJECTS

JOECO.ME
December – January 2020
https://www.joeco.me/

- Deployed using an AWS EC2 Linux instance that runs a NGINX reverse proxy to a PM2 managed express server.
- Designed, architected, and implemented a scalable, UX focused responsive front-end design using React with Material UI components.
- Configured SSL Certification using NGINX with Let's Encrypt/CertBot to enable HTTPS.
- Implemented Google Analytics to track user activity with user experience improvement in mind.

TEMPIFY
September – December 2019
https://tempify-v2.herokuapp.com/

- Implemented authentication with signed JWT tokens to secure API requests.
- Refactored codebase from Laravel 5.5 to Node/React to increased load speeds by +200%.
- Deployed application through Heroku, and completed a database migration from Remote MySQL to Heroku's MySQL ClearDB add-on.

OPERATION REGEN
April – May 2019
https://operation-regen.herokuapp.com/

- Developed a solution to implement the 2D game engine Phaser.js to be wrapped around React as an embedded WebGL canvas.
- Created an open source bare-bones React-Phaser-Node-Express boilerplate to speed up development for future developers.
- Established the development environment with an MVC design pattern by bootstrapping Create-React-App to an express server serving as a backend RESTful service.

BOOKAPP
September – December 2019
https://appetieze.io/app/pwv2aknnphf9y6mep9xkzx8azw

- Designed a flexible database solution to limit 15 users per available activity for any given day of the week for 6 of the most popular recreation centers in Surrey.
- Developed the mobile application in Android Studios using Java, XML, Firebase Real-Time DB.
- Significantly improved read performance by implementing a denormalized database schema using NoSQL.

EDUCATION

DIPLOMA – COMPUTER SYSTEM TECHNOLOGY BCIT, BURNABY   2018 – Present
DEGREE – HEALTH SCIENCES SFU, BURNABY   2016