

John DH. Park

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TECHNICAL SKILLS

Strong: Javascript (ES5/ES6), React (Redux & Router), Node/Express, MongoDB/Mongoose, HTML/CSS, jQuery, RESTful API

Experienced: SQL, Webpack, WebRTC, Websocket, Git, Travis, Jest, Enzyme, Cheerio, Chai, Mocha, Electron

EXPERIENCES

CS Office | *Software Engineer*

2017 - 2018

- Led the development of a new interactive edTech platform that integrated Codemirror to provide IDE functionalities for users to save and share code. This included features like auto-completion on variables and properties, function definition, and argument hints.
- Created isolated JavaScript execution environment through the use of web workers to handle hoisting, high order functions, and closures.
- Implemented React-based flux architecture to create a modularized single page application with optimized data flow.
- Architected RESTful API with intuitive endpoints on Node/Express server to respond to client-side requests via customized middleware controllers.
- Used ACID-compliant PostgreSQL to store user information and leverage the one-to-many relationship for future scalability.
- Applied WebRTC and WebSockets to establish a persistent, real-time peer-to-peer video connection reducing server load.
- Incorporated "bcrypt" for secure user password hashing and generated cookie-sessions utilizing Google OAuth for login.

Exx, Inc. | *Owner*

2008 - 2017

- Scripted application logic and developed SQL queries to generate real-time reports of customer and sales data.
- Developed UX/UI for a company-wide application that maximized the productivity of all employees, engineering a SQL-based one-to-many relational database.
- Used PHP, HTML, CSS, and Wordpress to develop customized websites for Exx's web presence.

PROJECTS

Interview Wars | *Technical Interview Prep Application*

- Engineered Redux-based architecture for centralized state management and data immutability of questions and answers.
- Deployed a Node backend with Express middleware and PostgreSQL database implementation
- Implemented unit and integration test coverage with Mocha/Chai/Supertest to validate API routes and database integrity.

Amazon Work Engine 2.0 | *An Aggregated Search Optimization Tool*

- Analyzed and decoupled legacy code written in jQuery and Javascript to identify change and inflection points that will ensure minimal disruption when adding features and improving the overall design.
- Built NoSQL database (MongoDB) with promise-based middleware to serve as the blueprint for search history and caching.

CodeLink | *A Web Application to Help Coders Connect*

- Utilize React life-cycle methods to maximize the efficiency of component rendering and application state update.
- Leveraged react-router to enable dynamic routing and minimize server loading resulting in a significant reduction in render time.

TALK

Future of React (Socall React '18) | *Suspense, Time Slice, Context API, Async Rendering, & Lifecycle Methods*

EDUCATION

CSLabs | *Full Stack Software Engineering Residency*

2018

UCLA | *B.S. Business Economics and minor in Programming in Computing*

2008

Relevant coursework: Javascript, HTML & CSS, PHP, Java, C++

INTERESTS

I am interested in collecting books, trying out new gadgets, playing games (use to play competitively), and going to new restaurants.