

JENNY HAI

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TECHNICAL SKILLS

Strong: JavaScript(ES6+), React (Context API & Hooks), Redux, Node.js, Express.js, Postgres/MySQL, NoSQL – MongoDB, REST Architecture, GraphQL, OOP, Functional Programming, HTML5, CSS3, SASS, Version Control (Git/Github), Bootstrap, Authentication (cookies, OAuth, bcrypt)
Experienced: Testing (Jest, Enzyme, Supertest), Agile/Scrum, Docker, AWS (S3, EC2, Elastic Beanstalk) Travis CI, Webpack, Electron, Material-UI

EXPERIENCE

nuQLeus | Software Engineer

2021 - Present

- Designed tracing algorithm with graphql-middleware to expose resolver-level response times and path maps, streamlining process to identify field functions responsible for underperforming queries, cutting back API development time while optimizing server performance
- Deployed express-graphql and Apollo servers within mock environment to monitor and ensure the effectiveness of tracing algorithm in processing existing development schema, context, and extensions without compromising traditional graphql HTTP request functionality
- Configured custom NPM package, leveraging Express routes to directly launch frontend GUI on localhost upon graphql server initialization
- Integrated React hooks and context API to form centralized state tree, allowing fluid data flow and avoiding prop drilling across components
- Implemented SCSS and Codemirror library to establish a mobile responsive application and create an intuitive, lightweight IDE user interface
- Utilized Jest and Supertest testing libraries to automate unit and integration tests, promoting code integrity and optimal development cycle
- Coordinated Scrum process framework to efficiently prioritize, delegate, and execute sprints and review code across development team
- Product developed under tech accelerator OS Labs (opensource.labs.io)

City of Monterey Park Chamber of Commerce | Freelance Web Developer, tasteofmpk.com

2020 – 2021

- Designed a CMS web application based on PHP web scripting language to boost online sales for local restaurants during COVID-19 pandemic
- Built a user login interface, authentication system, and database workflow, streamlining client connection to CMS and minimizing data errors

WarnerMedia, Legendary Entertainment | Applied Analytics

2016 – 2020

- Executed statistical analyses using MySQL databases and Excel; visualized data and models with Power BI to optimize box office performance
- Modified VBA scripts to automate data wrangling and pulls from multiple external APIs, providing actionable insights on digital campaigns

ACI Worldwide | Digital Marketing

2015 – 2016

- Leveraged HTML and CSS to design landing page layouts and enhance digital visibility on search engines, promoting B2B product engagement

OPEN - SOURCE PROJECTS

zephyr | Mindfulness application

- Harnessed React Routers to enable dynamic, client-side page routing, allowing for fewer requests to server, improving page-loading speed
- Applied the observer-consumer pattern with context hooks, subscribing components to a higher-order store to update and receive UI events
- Established WebSocket connections for bidirectional client-server communication over a single TCP port, reducing excess HTTP overhead

forEach | Scholarship donation platform

- Architected routes to make parameterized queries, safeguarding against SQL injections and enforcing ACID-compliant record consistency
- Encrypted sensitive user information with bcrypt's hashing algorithm and SALT rounds, protecting against brute-force and dictionary attacks
- Constructed Express middleware to enable cookies for controlling authentication sessions, enhancing account privacy and login experience

JS. Resources | Javascript resource database

- Used React to construct a SPA made up of reusable, modular components, leveraging the virtual DOM to re-render only during state change
- Enhanced SASS library styling with variables to enable theme color consistency and improve stylesheet readability with nested syntax

EDUCATION

Babson College, B.S. Business Administration, *Cum Laude* | Wellesley, MA

Relevant Courses: Web Development, Quantitative Modeling, Strategic Problem Solving, Management & Entrepreneurship

Novancia Business School, Semester Abroad | Paris, France

Shanghai School of Finance and Economics, Semester Abroad | Shanghai, China

ACTIVITIES AND INTERESTS

Delta Sigma Pi Business Fraternity, *Marketing Chair* | Supported organization branding through social media and digital/press marketing

WarnerMedia, *Event Committee Chair* | Managed budget and committee for executing bi-annual summer and holiday events

Interests: rejuvenating the mind and soul with hot yoga | traveling to explore local street food | experimenting different cheesecake flavors like lychee and papaya | the most unrealistic rom-coms | not olives | defeating people that don't know how to play pickleball in pickleball