

James Po Chen

(909) 569-2277

jameschen56@gmail.com

[Portfolio](#)

[LinkedIn](#)

[Github](#)

SKILLS

Javascript, Python, Golang, Node.js, React.js, Redux, Express.js, REST APIs, Sequelize, HTML5, CSS3, Flask, Alembic
SQLAlchemy, Docker, PostgreSQL, BigQuery, Heroku, Looker, Pair Programming, Object Oriented Programming

EXPERIENCE

Backend Software Engineer

FLYR Labs

June 2022 - August 2022

- Created functions, unit tests, and benchmark tests using Golang for calculating price per seat for all the airline customers as part of the initiative to building out pricing engine at FLYR Labs and participated in code review of other engineers' work
- Developed Python scripts to automate the data transformation process and reduced manual effort by 50% and collaborated with other developers and data analysts on projects related to machine learning, data science, and dashboard creation
- Participated in grooming session for planning purposes and contributed to building a shared understanding of what's most valuable to focus on during the upcoming sprints as well as reflected on personal processes to improve current practices
- Applied tools such as Git, Jira, Confluence, Slack for version control, project management, and communication respectively

Business Finance Analyst, Associate

Pacific Gas and Electric Company

Nov 2020 - May 2021

- Provided timely and accurate monthly financial reporting over \$650M spending to assess Informational Technology department performance and utilized data visualization tools such as Excel modeling and Power BI to explain variances
- Conducted analysis and provided recommendations on methods to reduce funding gaps ranging from \$100M to \$150M in Informational Technology areas including Enterprise Strategy Architecture as part of the annual budget setting process

PROJECTS

Eventframe (React.js / Redux, JavaScript, Node.js, Express.js, PostgreSQL, Sequelize, AWS S3, HTML5, CSS3)

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- Set up a comprehensive environment using Sequelize and Express.js with RESTful architecture in mind, and incorporated a database services layer, custom server-side request validation and introduced CSRF attack protection
- Implemented a live search, dispatching actions to the Redux store, to dynamically surface event information, allowing a user to search for event by categories
- Developed modular, styled React components for all fronted portions, including controlled inputs for form submissions related to the drafting and publishing of events

Petsy (React.js / Redux, Python, Flask, SQLAlchemy, Alembic, HTML5, CSS3)

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- Implemented built-in and custom WTForm validation checks for all actions involving the handling of database records
- Collaborated with a team of 4 developers to build CRUD functionalities for products, reviews, and user-auth by utilizing the Python Flask & React.js full stack and efficient git and pull request workflow to minimize probability of merge conflicts

Flackr (React.js / Redux, JavaScript, Node.js, Express.js, PostgreSQL, Sequelize, AWS S3, HTML5, CSS3)

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- Implemented server-side form validation by generating middleware with the express-validator package to provide protection from client manipulation and maintain the integrity of the database
- Configured initial AWS S3 integration with Express to ensure for seamless retrieval and presentation of images
- Leveraged React hooks and CSS grid, flexbox and media queries to create responsive and modern view

EDUCATION

App Academy - 1000-hour immersive full-stack web development program with < 3% acceptance rate | Oct 2021 - Apr 2022

University of Southern California - Bachelor of Science - Finance | Aug 2015 - May 2017