
Jaime Quezada

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TECHNICAL SKILLS

Languages: Python, JavaScript(ES6, Node.js), HTML5, CSS, SQL | **Frameworks/Libraries:** Flask, Jinja2, jQuery, React, Express, Bootstrap, React-Bootstrap, Material-UI | **Databases:** MySQL, MongoDB, Mongoose | **Tools:** AJAX, REST API, JSON, PostMan, Socket.io, AWS(EC2), MySQL Workbench, Git, Github, Balsamiq

TECHNICAL PROJECTS

TravelMem | Travel experiences and memories sharing application using Python / Flask / MySQL | [Github](#)

- Employed Flask framework for fast implementation of additional features via Jinja2 template such as user dashboard, varied logic for authorization, and flash messages.
- Encrypted user password through the use of Bcrypt and hashing for user security.
- Used back end validation to verify user input and keep data consistent for user CRUD functions.
- Utilized one-to-many and many-to-many relationships within MySQL to connect all registered users, allowing for liking posts and adding comments.
- Integrated Open Weather API to view up-to-date weather from the travel locations.
- Implemented Bootstrap for responsive design with engaging UI components and page layouts.

nutrilog | Nutrition tracker application using MongoDB / Express.js / Node.js / React.js | [Github](#)

- Architected an intuitive single page app with React and implemented responsive design with React-Bootstrap for a consistent user experience across screen sizes.
- Developed back-end with Express and MongoDB for their flexible structure and ease of data access.
- Implemented a user login and registration using back-end validation, Cookies, and JSON Web Token for secure user experience.
- Created RESTful API in order to allow user CRUD operations.
- Integrated the USDA FoodData Central API to incorporate nutrition data.

PROFESSIONAL EXPERIENCE

Jinetics Inc. | Mountain View, CA

Controls Software Engineer ; Contract

August 2023 - January 2024

- Collaborated in refactoring complex legacy codebase using OOP in Python resulting in improved code readability and overall software quality.
- Utilized protocols, inheritance, and encapsulation to enhance code maintainability, reduce redundancy and foster modular organized code structures.
- Created unit tests using pytest to execute tests that cover various scenarios, from edge cases to typical user inputs, validating each component's behavior in isolation.
- Used GitHub to manage version control, track issues, facilitate code review and automate workflows.

Mission Bell Inc. | Morgan Hill, CA

CAD Engineer

May 2016 - May 2022

- Generated detailed 2D drawings and 3D models of all individual system components for custom millwork assemblies in AutoCAD.
- Promoted in summer of 2021 to train and manage an international team of four engineers from Bolivia responsible for detailed CAD shop drawings.
- Collaborated with all stakeholders to evaluate design trade-offs, balance interests, and meet the optimal system design for each project.
- Presented project updates to management and address path-to-closure on open issues.

Junior Engineer

July 2015 - April 2016

- Promoted to CAD Engineer after ~10 months without prior industry experience. Learned to develop 2D CAD shop drawings, assess for manufacturing readiness and feasibility, and how to assist project managers on the job.

EDUCATION

Coding Dojo | Full-Stack Developer Certificate in Python, MERN

University of California, Davis | Bachelors of Science in Mechanical Engineering