

Jonathan Ang

Software Engineer

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TECHNICAL SKILLS

Languages: JavaScript, Python, HTML / CSS, SQL

Front End: React / Redux, WebSockets

Back End: Express / Sequelize, Flask / SQLAlchemy, Alembic, Node.js, PostgreSQL, AWS

PROJECTS

Sweet-Petals: FullStack Developer (PostgreSQL, SQLAlchemy, Flask, Flask-Socketio, React, AWS, JavaScript, Python) [Live](#) | [Github](#) 2023
Devised and developed an e-commerce application for customized baking treats

- Incorporated a cart with state management using redux to control data before submission to the database and implemented session cookies to maintain consistent data
- Established a 5-star rating system and integrated AWS for photo uploads to create reviews
- Integrated user experience with permissions between customers and admin users
- Conceptualized WebSockets for a real-time message feature system to enable live updates between users and to give instant notifications for messaging and new order updates upon creation

Accord: FullStack Developer (PostgreSQL, SQLAlchemy, Flask, Flask-Socketio, React, AWS, JavaScript, Python) [Live](#) | [Github](#) 2023
Initiated a discord clone that implements live chatting between users

- Cooperated with a unified team of 3 members that mobilized as one unit flawlessly on one repository utilizing git to merge codes together and working on debugging other members' work to maintain the stability of the application
- Formulated a schema on "dbdiagram.io" and executed creating a relational database with the data utilizing SQLAlchemy
- Designed wireframe mockup in Figma and translated the design through ReactJS
- Implemented algorithm for messaging when to see a full detailed message card versus message only if the user has recently sent a message within 2 minutes or no new messages from other users

CampBnB: FullStack Developer (PostgreSQL, Sequelize, Express, React, Redux, JavaScript) [Live](#) | [Github](#) 2023
Created a clone of Airbnb that refocused on camping locations with ReactJS

- Focused on responsive design by implementing CSS Grid and Media Queries when viewing available locations to be view
 - Managed errors with Express / Sequelize while validating form submissions when submitting data to the backend
 - Incorporated React frontend and Express backend validation logic that identifies overlapping dates and prevents double booking for reservations with JavaScripts Date Objects
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WORK EXPERIENCE

Lodi Unified School District: Licensed Vocational Nurse (Contracted and Internal employee) 2021- Present

- Monitored medically fragile children and provided first-aid services within different settings of the schools
- Optimize time with procedures, medications, and charting to ensure proficiency in workflow

Clearwater Healthcare Center: Admissions Licensed Vocational Nurse 2021 - 2022

- Executed admitting up to 7 patients into the facility within a timely manner; programming information for patient's history, medications, and medical precautions into the electronic Patient-Care-Reporting system within one shift
- Decreased workload for staff members by assisting with patients in between downtime to keep a consistent workflow

San Joaquin General Hospital: Medical Surgical Licensed Vocational Nurse 2021 - 2021

- Supervised up to 5 patients providing medical procedures, medications, comfort services, and charting
 - Analyzed patient's lab results and consult with doctors and other members about abnormal findings
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EDUCATION

App Academy: Software Engineering Program 2022 - 2023

Xavier College School of Nursing: Licensed Vocational Nurse 2020 - 2021

San Joaquin Delta College: A.A. Interdisciplinary Studies - Social and Behavioral Science 2011 - 2015