

RYAN GOGGIN

Software Engineer

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TECHNICAL SKILLS

Front End | JavaScript, React, Redux, Node.js, CSS3, HTML5, styled-components

Back End | Python, Flask, SQLAlchemy, Alembic, Express.js, Sequelize, PostgreSQL, SQLite, Socket.IO, AWS S3

Testing/Deployment | Jest, Mocha, Chai, Render

Developer Tools/Techniques | Docker, Git, npm, Webpack, Babel, Agile Methodology, TDD, OOP

PROJECTS

App Academy Capstone Project | Goggbook

[Live](#) | [Github Repo](#) | April 2023

Project that clones the functionality of dark mode Facebook Python | Flask | SQLAlchemy | Alembic | React | Redux | AWS S3

- Enforced proper authorization and authentication prior to permitting any user actions to ensure data security across the app
- Utilized kanban boards and Test Driven Development to track project deliverables and ensure functionality prior to deployment
- Leveraged AWS S3 technology to reduce server load and provide an improved user experience (UX) when uploading and storing image files on their profiles
- Designed user interfaces (UIs) using React and styled with media queries in CSS to provide a seamless UX across the application
- Aligned programming code with the relational database structure with SQLAlchemy and managed migrations with Alembic

Full-Stack React/Flask Group Project | PixelPal

[Live](#) | [Github Repo](#) | March 2023

Group project that clones the functionality of Discord Python | Flask | SQLAlchemy | Alembic | React | Redux | Socket.IO

- Utilized websockets with Socket.io to implement real-time messaging in channels between members of the channel's server
- Collaborated with team members using Agile Methodology to pace out project milestones and track completion of features
- Developed the application's backend using Flask as a framework to allow for flexibility and simplicity while scaling the app
- Designed RESTful API endpoints for Create, Read, Update, and Delete operations for users, friends, servers, channels, messages, and reactions

Full-Stack React/Express Project | GoggInn

[Live](#) | [Github Repo](#) | February 2023

Project that clones the functionality of Airbnb

JavaScript | Express.js | Sequelize | React | Redux | PostgreSQL

- Utilized Express.js as the web application framework and Sequelize as the Object Relational Mapping (ORM) to allow user interaction with the relational database
- Created and integrated the frontend utilizing React for DOM manipulation and Redux to implement a state-based design pattern
- Dynamically validated all input forms with vanilla JavaScript to ensure intended functionality and data integrity
- Stylized the frontend with CSS to match wireframe specs and uphold general design standards and modern best practices

RELEVANT EXPERIENCE

AstraZeneca

South San Francisco, CA

Inhalation Product Development - Process Engineer I

June 2021 - June 2022

- Collaborated cross-functionally across management, engineering, device, and formulation teams to achieve project deliverables
- Identified and reported technical issues, performed equipment troubleshooting, and implemented process improvements
- Utilized SQL queries to obtain in-process data for spray drying procedures from the operating system's database
- Applied in-process data interpretation to execute particle process operations in R&D and early clinical cGMP facilities

Precision Coating Company

Hudson, MA

Engineering Intern

June 2019 - August 2019

- Provided support to engineering by making recommendations to streamline production processes and decrease operation costs
- Improved standard operating procedures for 6 types of racking operations leading to a reduction of product cycle times
- Expanded company production capacity by researching and reintegrating excess capital equipment into current operations

EDUCATION

App Academy

Online Full-Stack Software Engineering Program (6 Month)

October 2022 - April 2023

Brown University School of Engineering

Bachelor of Science in Chemical Engineering

September 2016 - May 2020

INTERESTS

Skiing, Traveling, Football, Basketball, Hiking, Running, Gaming