

Aileen Kim

Full Stack Software Engineer

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TECHNICAL SKILLS

Front End: Javascript, React, Redux, Node.js, CSS, HTML

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

Testing / Deployment: Jest, Mocha, Chai, Render

Developer Tools: Docker, Git, npm, Agile Methodology, Test Driven Development (TDD), Object-Oriented Programming (OOP)

PROJECTS

FriendLyst

[Live](#) | [Github](#)

Python, Flask, Javascript, React / Redux, SQLAlchemy, PostgreSQL, Render, AWS S3, SocketIO

- Developed a full stack Facebook clone with a Flask backend and a React / Redux frontend. Users can browse their friends activity, search and add friends, view individual profile pages, create posts, comment and like posts, and send live messages.
- Implemented AWS S3 to store and manage images users upload when creating posts or updating profile pictures, streamlining the image upload process and optimizing performance and scalability.
- Designed and implemented data models and database schemas using SQLAlchemy to provide efficient data storage and retrieval mechanisms that handle user information, relationships, and other relevant data.

PixelPal

[Live](#) | [Github](#)

Python, Flask, Javascript, React / Redux, SQLAlchemy, PostgreSQL, SocketIO, Render

- Built a full stack Discord clone on a team of 3 developers using a Flask backend and React / Redux frontend that allowed users to manage servers, manage channels, send live messages, and create emoji reactions.
- Collaborated effectively with 3 engineers by actively seeking out and providing constructive feedback via code reviews with good github etiquette, which led to continuous improvement of team performance on project deliverables.
- Incorporated event-driven messaging systems using Socket.IO, which enabled users to send and receive messages in real-time, enhanced the overall user experience and fostered dynamic and engaging interactions.

AKnB

[Live](#) | [Github](#)

Javascript, React / Redux, Express, Sequelize, PostgreSQL, Render

- Launched a full-stack Airbnb clone using Express / Sequelize and React / Redux that allowed users to create and manage listings, leave reviews on other rentals, and create bookings.
- Utilized Sequelize, an ORM (Object-Relational Mapping) for Node.js, to seamlessly integrate the frontend React/Redux components with the Express backend database for efficient data management in a state-based design pattern.
- Implemented dynamic client-side form error handling mechanisms to ensure data integrity and provide users with immediate feedback on input errors, thus enhancing the usability and reducing the data submission errors.

EXPERIENCE

Mercury Systems, Inc.

Andover, MA

Treasury Analyst

Jan 2021 - Aug 2022

- Analyzed historical financial data and market trends to develop and maintain detailed cash forecast models, demonstrating a strong attention to detail and critical thinking skills.
- Quickly learned new accounting concepts and software programs to effectively manage end-of-month accounting tasks, demonstrating strong adaptability and an eagerness to learn.

Santander Bank N.A.

New York, NY

Corporate and Investment Banking Analyst, Energy

Jun 2018 - Nov 2019

- Collaborated with executive leaders, credit team members, and international finance leaders to analyze business data, conduct research, and develop insights on portfolio performance.
- Conducted in-depth industry research and analyzed internal models to prepare highly tailored client pitchbooks in close collaboration with product teams, contributing to the increased revenues for the team.
- Managed the onboarding process for new clients through outreach with the compliance team to gather KYC documentation, demonstrating strong client-facing skills and professional communication.

EDUCATION

App Academy

Remote

Intensive full stack coding bootcamp focusing on JavaScript, Python, React / Redux

Oct 2022 - Apr 2023

New York University Stern School of Business

New York, NY

Bachelors of Science, Finance

May 2018

INTERESTS

Mechanical Keyboards, Skiing, Dog Training, Gaming, Foodie, Photography