

Michael Oyola

Full Stack Software Engineer

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[Portfolio](#) | [GitHub](#) | [LinkedIn](#)

Summary

Enthusiastic software engineer with a diverse skill set in Python, JavaScript, CSS, React, Redux, and more. Bringing dedication and passion to crafting interactive and responsive web applications, with a user-friendly design. Gained valuable experience through pair programming, while maintaining the ability to excel independently. Ensured every project is not just completed, but enhanced. Driven by a desire to exceed expectations, each project is an opportunity for growth.

SKILLS

Languages: JavaScript, Python, SQL, HTML, CSS

Frameworks: React, Redux, Express, Flask, Sequelize, SQLAlchemy, PostgreSQL, AWS, Socket.io

Key Skills: Pair Programming, Test-Driven Development (TDD), Object-Oriented Programming (OOP), Scrum Methodologies

Tools: Postman, DB-diagram, Git-hub, Git-issues, Kanban

PROJECTS

Pear (React / Redux / JavaScript / Flask / Python / CSS / SQLAlchemy / PostgreSQL / AWS)

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- Designed and developed a responsive web application using React and Redux, providing a modern and efficient user interface.
- Integrated RESTful APIs to fetch and update data, ensuring real-time synchronization between the frontend and backend systems.
- Connected the Flask back end to AWS S3 for picture storage and organization while maintaining content security with AWS.

Discord (React / Redux / JavaScript / Flask / Python / CSS / SQLAlchemy / PostgreSQL / Socket.io)

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- Participated in a SCRUM team alongside three colleagues to develop an online communication hub, facilitating real-time communication and collaboration among users.
- Utilized Redux architecture's unidirectional data flow with React for predictable state and reliable DOM rendering.
- Enabled real-time communication among users by implementing live chat functionality using Websockets.

Bnb Getaway (React / Redux / JavaScript / Express / Sequelize / CSS / SQLAlchemy / PostgreSQL)

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- Implemented reusable React components and optimized performance using best practices in frontend development.
- Created custom SQL queries and reduced server load through the utilization of Active Record associations to extract data from multiple tables in a single query.
- Ensured user privacy and autonomy through frontend and backend authentication measures and React Router, allowing users to only access and make changes to their reservations when logged in.

EXPERIENCE

AI Testing and Development - *Remotasks*

Jan 2024 - Current

- Developed testing scripts using Javascript, Python and other relevant technologies to assess the performance and accuracy of AI systems.
- Conducted thorough analysis of test results, identifying areas for improvement and proposing solutions to enhance AI functionality.
- Actively participated in code reviews and provided valuable feedback to improve code quality and maintainability.

EDUCATION

App Academy

Feb 2023

- Full-stack web development boot camp prioritizing software engineering best practices.
- Covered topics such as data structures and algorithms, object-oriented programming (OOP), test-driven development (TDD), pair programming, etc.

William Paterson University of New Jersey

Sept 2017 - Aug 2020

Bachelors in Criminal Justice & Psychology

