

Crystal Chavez

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SKILLS: React, Redux, JavaScript, SQL, HTML5, CSS, PostgreSQL, Python, Express.js, Node.js, SQLAlchemy, Docker, Heroku, Flask, Sequelize, Git, AWS, Alembic, Github, Full-Stack Development, C, C++, Java, C#,

EDUCATION:

Western Governors University - BS Computer Science, Aug 2022 - Present

Prominent Coursework:

- IT Leadership Foundations, Scripting and Programming - Applications, Software I, Web Development Foundations, Scripting and Programming - Foundations

AppAcademy - Fullstack Software Engineer Online Course, Nov 2021 - June 2022

California State University of Northridge - Uncompleted Bachelor of Science in Computer Science, Fall 2021

College of the Canyons - Associate of Science in Computer Science Transfer, August 2018 - June 2021

Prominent Coursework:

- Introduction to Algorithms and Programming: Java, Computer Architecture and Assembly Language, Data Structures and Program Design, Discrete Structures

PROJECTS:

GamingCloud React, Redux, Express.js, Sequelize, PostgreSQL, Javascript, React Audio Player [live](#) | [github](#)

A SoundCloud clone that focuses on both the listeners and the artists to embrace a gaming music platform

- Integrated Redux with HTML5 media web components to create customized media playback for users.
- Enforced frontend and backend data auth validation and CSRF protection to improve security and user information.
- Configured the Node backend with PostgreSQL, using the Sequelize ORM for validations and database queries.

Boss-Shots React, Redux, JavaScript, PostgreSQL, Flask, SQLAlchemy, Alembic, AWS S3, Python [live](#) | [github](#)

Boss-Shots is a Flickr clone for sharing images of your epic boss battles from all your favorite video games.

- Connected the Flask back end to AWS S3 for media storage and organization while maintaining content security with AWS IAM.
- Harnessed the unidirectional state management of Redux to simplify React components and directly manage data for form inputs and form submissions.
- Worked with team members using Git and Github in a remote environment to meet deadlines.

Pokezon React, Redux, JavaScript, PostgreSQL, Flask, SQLAlchemy, Alembic, AWS S3, Python [live](#) | [github](#)

Pokezon is a digital store application that sells supplies necessary for Pokémon training and lifestyle.

- Created an intuitive UI with React and CSS that uses hover animations on buttons and sellers.
- Normalized Redux state to organize objects for better performance in the React app.
- Developed user autonomy by linking item posts to seller accounts with Flask and SQLAlchemy, allowing for fast and efficient viewing of a user.

EXPERIENCE:

Jr. Instructional Assistant

App Academy

June 2022 - Present

- Working with students to support their understanding of new materials, technologies, and homework provided to them.
- Providing support and assistance to both head instructor and students of App Academy.
- Gave instructional support and guidance to students by answering numerous questions.