Ernesto Gutierrez

Atwater, CA

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Skills

Languages: Javascript, Python, SQL, HTML, CSS
Frameworks and Libraries: ReactJS, Node.js, Express.js, Flask, Bootstrap, SQLite
Technologies: Git, Figma, Amazon S3, MongoDB, MySQL, Microsoft SQL Server

Experience

Merced County | Programmer Analyst I   Sep 2023 - Present
Merced, CA
- Maintaining a SharePoint site, addressing any implementation or update requests
- Writing automation scripts using Python to streamline tasks such as file management and spreadsheet operations
- Writing SQL queries to pull necessary data from a Microsoft SQL Server database for generating reports
- Migrating complex pdf forms into web forms utilizing Power Automate for automating processes in between

Bay Valley Tech | Software Developer Intern   April 2023 - Sep 2023
Modesto, CA
- Collaborated closely with a team of software developers to design and develop full stack React applications
- Utilized Git for version control and maintaining well-organized code repositories
- Actively participated in agile methods such as daily stand-ups, sprint planning, and team meetings to ensure timely completion of project milestones
- Lead virtual information sessions for new and interested applicants, answering any questions and providing program details

Projects

Music Player | React.js, Amazon S3, MongoDB, Express.js, Javascript, HTML/ CSS, Bootstrap
- Collaborated in a team of 6 to design and code a music player application
- Utilized the Spotify API for user authentication and to retrieve songs and playlists for displaying to the user
- Developed a REST API for communication between backend and frontend using Express.js
- Integrated Amazon S3 to efficiently store audio files and cover images for songs and playlists
- Implemented MongoDB as the database management system to store and manage user playlists and song data

Dictionary Dash | Javascript, HTML/CSS, Node.js, Express.js
- Utilized object-oriented programming to organize game logic and create reusable functions
- Used event handling to listen for user interactions and trigger game actions
- Implemented user score and progress tracking by manipulating the Document Object Model (DOM)
- Developed a backend using Node.js and Express.js and Integrated the WordsAPI

Hotel Management System | Python, Flask, SQLite, HTML/CSS, Javascript
- Worked in a team of two to create a full stack web application that is used for managing a large hotel
- Designed and implemented a database schema to store large amount of hotel data
- Created an extensive REST API to provide flexible access to the database
- Wrote and optimized SQL queries to perform various database operations, such as retrieving guest information, updating room reservation status, and generating financial reports

Education

University of California, Merced   Dec 2021
B.S. Computer Science and Engineering