Cristian Herrera
Software Engineer & Web Developer

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SKILLS

Languages: Python, Java, Javascript, Microsoft Assembly, CSS, HTML, XML
Libraries / Frameworks: Node.js, Express.js, Mongoose, React, JQuery, Sass, Bootstrap, Django
Database Dialects / Systems: MongoDB, PostgreSQL, T-SQL, SMSS
Software: Microsoft Excel, Office, Git, NPM, JSON, REST APIs, Shell Scripting (Bash, Powershell)
Project Management: Kanban Boards Trello, AGILE (Jira), Scrum

EXPERIENCE

Independent Consulting

Los Angeles County - Freelance Web Development (Portfolio)   *Aug 2020 - Present*
- Developed web applications for clients by writing clean and modular code using HTML, CSS3, Sass, Javascript, REST API, local SEO practices and MVC software design patterns.
- Implemented smooth CSS animations, elevating the UI of the application for the user.
- Integrated client-side scripting to enhance interactivity and dynamic content.
- Interacted with clients to provide project updates, address concerns, and gather feedback.

Google Maps Android App

Android map application for my local school amenities (Github)   *Live Dec 2023*
- Collaborated with college peers in a team-based environment to design and create an Android application using Java programming language, XML, Google SDK, and Android Studio.
- Lead and designed a custom XML layout for a navigation drawer that served as the focal point of the app's user interface, enabling seamless navigation between sections, menus, and screens.
- Applied real-time GPS functionality using the FusedLocationProviderClient/LocationServices API.

Forkify Web App

A Recipe Search Engine (Github)   *Live Mar 2022*
- Created a search app that leveraged an API as the data source to provide users with a wide range of recipes.
- Configured Babel to transpile ES6 JavaScript code into backward-compatible versions, enabling support for older browsers and ensuring consistent functionality across platforms.
- Established appropriate error handling strategies within catch blocks, including error logging, user notification, or fallback mechanisms.

Campground Web App

A Yelp Clone for Campgrounds (Github)   *Live Nov 2021*
- Developed a Yelp clone application with a focus on achieving robust data persistence using MongoDB as the database and Mongoose as the ODM (Object Data Modeling) tool.
- Implemented routing mechanisms and middleware layers in Express.js to handle HTTP requests, ensuring proper routing, authentication, and validation
- Leveraged Passport.js to seamlessly integrate various authentication strategies, such as local, OAuth, to provide a flexible and secure user login experience.

EDUCATION

— Antelope Valley College	*Sept 2022 - Present*
Bachelors of Computer Science	
Harvard.edu - Algorithms and Data Structures	*Aug 2021 - Jan 2022*
Udemy - The Complete JavaScript Course	*Jan 2022 - Apr 2022*
Udemy - Web Developer Bootcamp	*Aug 2020 - Nov 2020*