

Christian Esperon

Software Engineer with 3 + years of experience building data-driven applications. Passionate about AI tools and advancing AI capabilities to drive innovation.

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EXPERIENCE

Woodard & Curran, Sacramento, CA — *Software Developer II*

February 2022 - February 2025

Full stack software developer for an environmental consultant firm.

- Led the development of multiple contracted data management systems for clients in California, including BAWCA (Bay Area Water Supply & Conservation Agency), ACWD (Alameda County Water District), and EMWD (Eastern Municipal Water District). Designed and implemented scalable solutions to streamline data processing, improve operational efficiency and enhance reporting capabilities.
- Developed responsive user interfaces using modern frameworks and tools, including React, Tailwind CSS, and Redux, ensuring seamless user experiences and maintainable code.
- Developed secure and high-performance APIs using GraphQL, Apollo Server, Express.js, Postgres, and Prisma ensuring robust data handling and seamless client-server communication.
- Utilized AWS DevOps and Git to deploy and maintain the codebase through a robust CI/CD pipeline, ensuring seamless integration and delivery.

Pathloom, San Ramon, CA — *Software Engineer*

October 2020 - September 2021

Outdoor initiative simplifying outdoor recreation planning through PWA and mobile applications.

- Developed an **interactive map** using spatial data (polygons, linestrings, points) to enhance user experience.
- Analyzed and manipulated large datasets (**80,000+ rows**) for accurate data visualization.
- Integrated **Mapbox API** and tilesets to display overlays such as water bodies and roads.
- Built front-end components using **Vue.js** and **Quasar**, ensuring seamless UI interactions.
- Expanded and maintained **Node.js API**, implementing new features and optimizations.

SKILLS

Typescript, Javascript, React.js, Redux, Tailwind CSS, Node.js, Express, GraphQL, Apollo Server, ORM's, Prisma, AWS, Git, Python, Pandas, R, Microsoft Copilot, prompt engineering.

LINKS

Linkedin:

<https://www.linkedin.com/in/christian-esperon>

Github:

<https://github.com/cesperon>

Website:

<https://cesperon.github.io/portfolio>

- Managed a **PostgreSQL** database hosted on an **AWS EC2 instance**, ensuring data integrity.

EDUCATION

Sonoma State University, Rohnert Park, CA — *B.S. in Computer Science*

August 2017 - June 2020

Santa Rosa Junior College, Santa Rosa, CA — *A.A. in Sociology*

June 2014 - June 2016