JESÚS ALFONSO MONTIEL PÉREZ

Software Engineer | Frontend Engineer

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PROFESSIONAL SUMMARY

Software Engineer with over 5 years of experience specializing in building high-performance web ecosystems and scalable architectures. My career is defined by delivering technical excellence for global leaders like Walmart and HCL (Google Maps), consistently achieving elite 98-99% Lighthouse scores. Beyond frontend expertise, I architect technical stacks and project structures for enterprise-level systems, bringing a well-rounded Full-Stack perspective in Python, AWS, and PostgreSQL to ensure seamless data integration and secure, clean code.

PROFESSIONAL EXPERIENCE

Senior Software Engineer (Lead Frontend Architect) Segula Technologies | *05/2024 – Present*

- Architected the technical stack and internal project structure for a mission-critical enterprise administration system including work-hour tracking and event synchronization.
- Engineered complex business logic and state management strategies using Next.js, TypeScript, and Redux to handle secure authentication and real-time data synchronization.
- Designed a scalable UI architecture from scratch using Tailwind CSS, ensuring modularity and high performance across the entire ecosystem.
- Collaborated on system design with Backend and Full-stack peers to define robust data contracts and API integrations.

Senior Frontend developer (Performance Specialist) Nativebo | *08/2024 – 05/2025*

- Led development and performance engineering for high-conversion platforms, maintaining Lighthouse scores of 98-99%.
  +1
- Optimized multi-framework architectures using React, Astro, and LitElement to maximize scalability and user retention.
  +4
- Streamlined technical workflows within international teams, conducting all communication and documentation in English.

Software Engineer (Full-Stack Focus) Ammper | *01/2024 – 07/2024*

- Engineered end-to-end financial systems, bridging Python, AWS, and PostgreSQL backends with high-performance Next.js interfaces.
  +1
- Implemented real-time dashboards using WebSockets and designed secure authentication flows with JWT.
  +4
- Applied Clean Architecture principles and rigorous unit testing to ensure system reliability in high-stakes financial domains.
  +3

Cloud Support Engineer Google Maps (HCL) | *01/2023 – 12/2023*

- Provided specialized engineering support for Google Maps APIs and Google Cloud Platform (GCP) for global enterprise clients.
- Analyzed complex cloud infrastructure issues, facilitating high-level problem solving in international environments.

Senior Software Engineer (Frontend Lead) Walmart | *04/2022 – 04/2023*

- Directed frontend initiatives for internal enterprise tools, managing high-scale components and complex user flows using React and MUI.
- Guaranteed system integrity by implementing comprehensive unit tests using Jest and React Testing Library.
- Contributed to backend projects using JavaScript and Spring Boot to optimize internal data processing systems.

TECHNICAL EXPERTISE

- **Languages & Frameworks:** TypeScript, JavaScript (ES6+), React, Next.js, Astro, LitElement, Redux Toolkit, Python, Spring Boot.
  +2

- **Tools & Cloud:** AWS, Google Cloud Platform (GCP), PostgreSQL, Docker, WebSockets, Git/GitHub Actions.
  +2
- **Testing & Ops: Je**st, Cypress, Web Performance (Lighthouse), JWT, Clean Architecture.
  +3

CERTIFICATIONS & LANGUAGES

- **Google Cloud Certified:** Professional Web Developer (2023).
- **English:** Professional Proficiency (B2 Upper Intermediate - EF SET 2025).
- **Spanish:** Native.