Santiago Salas

Systems Engineer

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Bilingual Frontend Developer expert in **React** with more than 4 years of experience working with multidisciplinary teams in the creation of high performance and quality web applications.

Among my achievements is the development of a virtual reality and augmented reality tourism application, the best earthquake and volcano viewer in Latin America, and the fastest computer vision (AI) training data generation platform in the world.

Currently, I am looking for remote work opportunities, where I can apply my technical skills to high-value products and contribute my soft skills to a high-performing work team.

EXPERIENCE

LinkedAI — *November, 2022 – February, 2024*

LinkedAI provides the world's fastest training data platform for computer vision AI, enabling the visualization, tagging, review, and export of images and their segmentation masks.

- I integrated artificial intelligence techniques and tools for the automatic labeling and review of images, which allowed to considerably reduce the time needed for these processes and guarantee the quality of the data.
- I developed modules to visualize huge sets of images and their segmentation masks with search filters and sorting options, which streamlined project review processes and increased data reliability.
- I optimized the usability and accessibility of the platform by implementing semantic code and refining its layout and styles. This improved the user experience, increased user retention, and reduced training costs.
- Raise source code quality, improving performance, ensuring scalability, and ease of maintenance by incorporating development principles and best practices, component refactoring, and reducing feature complexity.
- I designed and executed a unit test plan with broad coverage, thus minimizing the probability of errors in the system.
- I participated in the development of the LinkedAI sales page.

Technologies: React, JavaScript, Material UI, Redux, REST API, GraphQL, Jest, Testing Library, AWS, Bitbucket

J&A Real Estate — *February, 2022 - September, 2022*

Leading real estate agency in Nariño, known for its extensive portfolio of properties and diversity of services.

- I developed a property cataloguing system from scratch, significantly improving the visualization, search, filtering and management of properties. This solution has optimized the organization and increased the productivity of real estate agents and administrators, reducing the time spent on internal tasks and raising the operational efficiency of the company.

Technologies: React, JavaScript, Material UI, Rest API, Redux, GitLab.

Colombian Geological Service (SGC) — *March, 2020 - November, 2021*

The SGC, attached to the Ministry of Mines and Energy, investigates and monitors geological phenomena. It has the best earthquake and volcano viewers in Latin America to report on geological activity in Colombia and Latin America in real time.

- I participated in the development and refinement of different modules of the QMS website with responsive design.
- I contributed to the design and development of the SGC's earthquake and volcano viewers from scratch, allowing real-time monitoring of geological phenomena through interactive maps, supporting disaster prevention and national security.
- I developed a seismic activity cataloguing system that allows the visualization, editing, searching, and filtering of historical records of seismic data in Colombia, significantly facilitating access and management of critical information for researchers and entities in charge of disaster risk management.
- I optimized the performance of the website, and the earthquake and volcano viewers. Significantly increasing speed and concurrency, despite the handling of large volumes of data, the integration of numerous graphical components and the need for real-time updates.

Technologies: React, JavaScript, Material UI, Sass, Redux, REST API, GitLab.

Lobocueros S.A.S — *September, 2019 - February, 2020*

Colombian leather goods distinguished by their exquisite craftsmanship that produce leather products of the highest quality.

- I developed the e-commerce website from scratch with the following modules: product catalog, search filter, product detail, shopping cart, secure payment gateway, contact forms, Google Maps API, and responsive design.

Technologies: React, JavaScript, Material UI, Sass, Redux, API Rest, GitHub.

TECHNICAL SKILLS

Frontend Libraries and Frameworks: React, Astro, Vite
Programming Languages: JavaScript, TypeScript
Application Status: Redux, Context, React Query
Layout & Styles: HTML, CSS, Sass, Material UI, Tailwind CSS**,** Bootstrap
Charts & Visualizations: Three.js, Leaflet Maps, Chart.js, ApexCharts.js
Server Communication: Rest API, GraphQL, Axios
Testing: Jest, Vitest, Testing-Library
Cloud Services and Technologies: AWS (S3, Route53, CloudFront, IAM, Certificate Manager)
Format & Code Quality: Prettier, ESLint
Web Accessibility: WCAG, Lighthouse
Security: HTTPS, CORS, OWASP Top 10
Project Management Methodologies: Scrum, Kanban, Waterfall
Development Practices: BDD, TDD, CI/CD
Programming Paradigms: Object-Oriented Programming, Functional Programming
Coding Principles: SOLID, DRY, YAGNI, KISS
Version control: Git, GitHub, GitLab, BitBucket
Dependency & Package Management: NPM
Development Environments: VSCode
Collaborative work: Jira, Slack, Notion, Discord, Trello

SOFT SKILLS

Effective Communication | Teamwork | Problem Solving | Leadership | Continuous learning

LANGUAGES

Spanish – Native
English – B2

EDUCATION

Universidad Mariana – Pasto, Colombia. **Systems Engineer,** *2019. (Honorable Mention)*
Cambridge Academy – Pasto, Colombia. **English Level B2** *(APTIS - British Council). 2023. (Meritorious Degree)*

AWARDS

Universidad Mariana – Best Score, Colombian State Tests, Saber Pro *– 2019.*
CACIED – 3rd Place, Software Engineering (Andean Congress of Computing, Informatics and Education) *– 2020*
Universidad Mariana – Outstanding Graduate 2021 "Production, Research, Technology and Innovation" *– 2021*

COURSES

React, JavaScript, TypeScript, HTML, CSS, Sass, Redux, React Hooks, Unit Testing with JS, Jest, AWS, Astro, React Hooks, State Handling, Rendering Patterns, Component Compositing, DOM Manipulation, JS Frameworks and Libraries, Asynchronism with JS, Closures and Scope in JS, Load Optimization, Webpack, NPM, ECMAScript 6+, Frontend Development, Git and GitHub, Logical Thinking, Notion, Adobe XD, Photoshop, Illustrator*.*