

# SEBASTIAN HERRERA

## SOFTWARE ENGINEER

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### SKILLS

React	PostgreSQL	Github Actions
TypeScript	Tailwind	NestJS
NodeJS	Web Development	TanStack React Query
RESTful APIs	JIRA	Supabase

### PROFESSIONAL EXPERIENCE

#### SIRMED

SEP 2024 - PRESENT

- Contributed to the development of Medellín's Disaster Risk Management Information System (SIRMED).
- Built responsive modular interfaces in React.js with clean architecture.
- Developed complex forms with React Hook Form and custom validations.
- Integrated multiple REST APIs with secure auth and data handling.
- Created interactive dashboards using Chart.js with optimized performance.
- Designed scalable, reusable components in TypeScript.
- Managed global state with Context API.
- Built admin interfaces with full CRUD, file management, and validation logic.

#### SICEI Research Group, Pascual Bravo

FEB 2024 - DEC 2024

- Understanding project needs and requirements through close communication with stakeholders.
- Designing robust software architectures to ensure efficient solutions.
- Optimizing algorithms to enhance software performance.
- Collaborating with the team to ensure the successful delivery of the project.

#### BYTEHOYUSE - E-commerce Platform & Admin Dashboard

NOV 2025 - JAN 2026

- Developed a full-featured e-commerce web application with a custom admin dashboard using React and TypeScript.
- Implemented scalable and reusable frontend architecture focused on performance and maintainability.
- Integrated Supabase for authentication, database management, role-based access control, and real-time data handling.
- Consumed and managed REST APIs, handling loading states, errors, and secure data flows.
- Built administrative dashboards for products, and reviews management with full CRUD operations.
- Applied form management and validations for critical business workflows.
- Deployed and maintained production environments using Vercel, ensuring reliable CI/CD and fast delivery.
- Collaborated on UI/UX decisions to deliver a clean, intuitive, and high-impact user experience.

## EDUCATION

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**Software Engineering - Bachelor's Degree**

Pascual Bravo University

**JAN 2021 - DEC 2025**

## LANGUAGES

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- English (B2)