

Santiago Rueda

Software engineer focused on building reliable backend systems and user-friendly web applications.

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Santiagorueda.dev

STANDOUT PROJECTS

Local Cleaning Company Website

Freelance project for a local business. Developed a modern marketing website for a local cleaning company to clearly showcase its services and contact options. Designed a clean, mobile-friendly interface so visitors can quickly find what they need, and implemented the site using React, TypeScript, and Tailwind CSS.

Workshop Management Platform

Currently building a workshop management platform with separate admin and host dashboards to manage bookings, schedules, and Stripe-based payments. The application lets organizers configure workshops, track upcoming and past sessions, and oversee capacity in a single interface. This is my main ongoing project, built with Next.js, Node.js, React, and PostgreSQL.

Urban Construction Site Management and Monitoring Platform

Developed a demo web platform using Java and Spring Boot built on top of the City of Montreal's public APIs to simulate a real urban construction management workflow. The application lets residents and contractors securely log in, view, and filter ongoing and upcoming construction projects, and manage work-related requests in one place.

RELEVANT COURSEWORK

Software Engineering

Software development methodologies, software architecture and design principles, version control, testing and quality assurance, requirements engineering, and team-based project management.

Databases

Relational data modeling (ERD, logical schemas), SQL (queries, joins, subqueries), normalization, transactions, integrity constraints, indexing, and query optimization, including database access through APIs in applications.

Human-Computer Interaction

User interface concepts, event-driven programming, user modeling, and the design and implementation of graphical interfaces, with attention to usability, collaboration, and communication in interactive systems.

SKILLS

Programming Languages

Java, JavaScript, Python, TypeScript, HTML, CSS, PHP

Libraries & Frameworks

React, Next.js, Spring Boot, Node.js, Tailwind CSS

Tools & Platforms

Git, GitHub, Vercel, PostgreSQL, MySQL, Bash, Figma

Languages

English, French, Spanish

EDUCATION

Université de Montréal – 2026

Bachelor of Computer Science,
Department of Computer Science and
Operations Research

Édouard-Montpetit College – 2023

Pre-University Program in Enriched
Pure and Applied Science

INTERESTS

Travelling, Strength and Conditioning
Training and Personal Development