

Santiago Varacca

Full-Stack Software Engineer | **TypeScript, React, Node.js**

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Profile

Full-stack software engineer with production experience across enterprise frontend, backend, distributed services, and business-critical workflows. Strongest in **TypeScript, React, Node.js, NestJS**, and **PostgreSQL**. I use coding agents to deliver recent independent systems, with implementation authorship, evidence, and limitations made explicit.

Experience

Software Engineer, Urbano Express | Buenos Aires, Argentina | Jan 2026 - present

- Worked across 6 repositories and 5 **NestJS** microservices on 69 assigned tickets over six months, spanning **React** UI, billing APIs, background workers, database migrations, and ERP integrations.
- Delivered the credit/debit-note module from scratch, including creation and search, approval states, accounting-allocation reporting, an audit panel, testing, and functional flow documentation.
- Delivered Postal Plus bulk billing inside SUGU for runs of up to 800 invoices, with CSV validation against Tango ERP, grouped preview, asynchronous workers, per-item state, content-hash deduplication, and orphan-run reconciliation.
- Resolved a months-old TypeORM state-update bug affecting 3 microservices and hardened billing workflows around four-decimal precision, concurrency, idempotency, and duplicate prevention.

Software Engineer, FK Tech Solutions Factory | Remote | Oct 2023 - Jan 2026

- Worked full-stack across most modules of Wellio, a B2B team-management platform for Latin American SMEs covering people, roles, organizational structure, leave, assets, onboarding, and performance.
- Contributed extensively to frontend and backend flows for Oh! Gift Card, a multi-brand e-commerce platform for purchasing, personalizing, and digitally delivering gift cards.
- Built and consumed REST and gRPC contracts with Protocol Buffers, **PostgreSQL**, and MongoDB in a pnpm monorepo with shared libraries.
- Participated in extensive code review and standardization across shared libraries and product teams.

Frontend Developer, SwagCharm LLC | Remote, United States | Feb 2023 - Oct 2023

- Shipped **React** and **TypeScript** product features while collaborating remotely with backend engineers through REST APIs.

Frontend Developer, 42i | Remote | Dec 2021 - Feb 2023

- Built **React** and Redux interfaces, integrated backend APIs, and maintained styling with CSS Modules and Sass.

Selected Projects

Agent Work | 2026

Agent coordination protocol implemented by coding agents; public release in preparation.

- Product direction centers on explicit task packets, receipts, handoffs, independent verification, and recoverable work across development environments.
- My role is direction and acceptance; coding agents produced the **TypeScript** implementation and automated tests.

Education

Universidad Nacional de La Plata, Coursework in progress in Computer Engineering | La Plata, Argentina | 2019 - present

Skills

Core: **TypeScript**, JavaScript, **React**, Next.js, **Node.js**, **NestJS**, **PostgreSQL**

Architecture and APIs: Microfrontends, microservices, REST, gRPC, Protocol Buffers, WebSockets, background jobs

Delivery: Docker, GitLab CI/CD, pnpm monorepos, Jest, code review

Applied AI: MCP, agent workflows, LLM integrations, human-review workflows, n8n

Languages: Spanish (native), English (C1 Advanced, EF SET 69/100)