

Sergio Agustín Rojas Encina

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Senior Full-Stack Engineer with over 10 years of experience delivering high-impact web solutions for market-leading enterprise retail and consulting corporations. Deeply specialized in the TypeScript ecosystem, Node.js, and modern frameworks such as React, Next.js, and Angular. Proven track record optimizing business processes, architecting robust end-to-end software solutions, and driving operational efficiency within multidisciplinary teams.

PROFESSIONAL EXPERIENCE

Cencosud S.A.

Senior Full-Stack Developer & Architect

Santiago, Chile

Sept. 2021 – Present

- **Multi-Project Leadership:** Architected and deployed software solutions for **5 critical enterprise projects**, spanning B2B portals, interactive advanced analytics dashboards, and high-traffic internal systems utilizing Node.js/NestJS on the backend and micro-frontends (Angular 17/22 and React).
- **Operational Efficiency:** Designed and optimized RESTful APIs and TypeScript-based services, successfully integrating complex legacy systems with relational databases and monitoring tools (Datadog) to ensure business platform resilience.
- **Automation & Security:** Led the automation of CI/CD pipelines via GitHub Actions and GitLab CI, enforcing automated security reviews and streamlining deployment cycles.
- **Software Quality:** Implemented robust automated testing strategies (Cypress, Playwright, Jest, Jasmine), raising code coverage to over 85% and cutting critical production defects by 40%.
- **Performance & Migrations:** Managed large-scale framework and database migrations, minimizing risks and guaranteeing zero-downtime, which boosted overall application performance by more than 30% (measured by Core Web Vitals).
- **Mentorship & Culture:** Provided technical leadership and engineering best practices through rigorous code reviews and engineering mentorship for junior developers, fostering a culture of continuous improvement in Agile multidisciplinary teams.

WiTi

Senior Full-Stack Developer

Santiago, Chile

Nov. 2019 – Sept. 2021

- **Ecosystem Development:** Developed and led the core "Purchasing Ecosystem" for Paris department stores, digitizing and automating critical end-to-end purchasing and logistics workflows, boosting operational efficiency by 35%.
- **Logic & APIs:** Implemented scalable full-stack solutions utilizing Angular and JavaScript for the user interface, while integrating internal systems with REST APIs and optimizing server-side data communication.
- **Automation:** Drastically reduced manual errors and processing times by automating business logic routines and asynchronous task flows, directly lowering technical production incidents and improving core business KPIs.
- **Quality & Agility:** Active technical contributor in defining user stories and QA validations under Agile methodologies, ensuring stable, continuous software deliveries aligned with core business objectives.

GearSolutions

Full-Stack Developer

Santiago, Chile

Feb. 2018 – Sept. 2019

- **Core Systems:** Designed and implemented transactional back-office platforms for Walmart Chile, streamlining supply chain and logistics data handling to achieve proven efficiency gains of over 30%.
- **Data Processing:** Automated complex reporting mechanisms and data auditing routines by consuming and structuring RESTful APIs, reducing manual data-entry errors by 25%.
- **Feedback & Support:** Developed integrated customer feedback applications, connecting front-end data collection logic with customer support backend metrics to directly drive NPS improvements.
- **Engineering Practices:** Consistently promoted and executed software engineering best practices, including automated testing (unit testing), continuous integration (CI), rigorous peer code reviews, and comprehensive technical documentation.

Grow Studio

Web Developer

Santiago, Chile

Aug. 2014 – Feb. 2018

- **Digital Solutions:** Built robust web applications and platforms for corporate clients including Citroën Marubeni and Cidef Chile, significantly increasing automated lead acquisition and digital brand visibility.
- **General Optimization:** Optimized information architecture, SEO strategies, and loading performance using modern JavaScript standards, HTML5, CSS3, and Bootstrap, maximizing user retention metrics.
- **Technical Collaboration:** Collaborated closely with cross-functional teams (designers, data analysts, and business owners) to translate functional requirements into clean, scalable, conversion-focused code.

EDUCATION

Postgraduate Diploma in Artificial Intelligence | Universidad Católica | July 2025 – Jan. 2026

B.S. in Computer Science & Software Engineering | INACAP | Feb. 2015 – Dec. 2018

Associate Degree in Systems Analysis & Programming | INACAP | Feb. 2013 – Feb. 2015

ADDITIONAL SKILLS

- **Languages & Backend:** Node.js, NestJS, TypeScript, JavaScript (ES6+), REST APIs, GraphQL, PostgreSQL, MongoDB, Supabase, Firebase, Clean Architecture.
- **Frontend & Frameworks:** Angular (v12-22), Next.js, React.js, Vue.js, Tailwind CSS, RxJS, Signals, Micro-Frontends.
- **Mobile Development:** Ionic, React Native, Expo, Flutter.
- **Testing & QA:** Cypress, Playwright, Jest, Jasmine, Testing Library, automated E2E and unit testing execution.
- **DevOps, CI/CD & Cloud:** Git, GitHub Actions, GitLab CI, Docker, AWS (S3, EC2), Monorepos (Nx / Turborepo), Automated Deployments.
- **Monitoring & Tools:** Datadog, CloudWatch, Google Analytics, Figma, Jira, Linear.
- **Methodologies:** Scrum, Kanban, Agile Frameworks, Rigorous Code Reviews, Continuous Integration (CI).
- **Languages:** Spanish (Native), English (Professional Working Proficiency - Technical & Written focus).