

JUAN CHAVEZ CORNEJO

SOFTWARE ENGINEER



ABOUT ME

I am a passionate Software Engineer with **over 10 years of experience** building scalable web applications. While I am a versatile full-stack developer with a solid background in **Ruby on Rails** and **Python**, my core expertise lies in crafting accessible, high-performance, and user-friendly interfaces using **React** and **TypeScript**.

Throughout my career at global companies like **BairesDev** and **Jalasoftware**, I have also been responsible on mentoring interns and onboarding engineers. My technical foundation is backed by continuous learning, including specialized programs at **Harvard University** and the **Saïd Business School, University of Oxford**. I am driven by curiosity and a commitment to building products that truly matter to me.

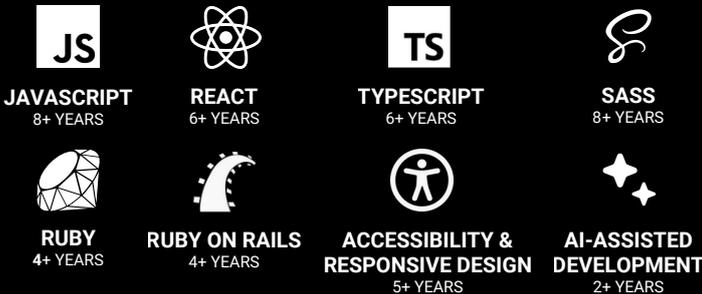
EDUCATION

COMMERCIAL SOFTWARE DEVELOPMENT TRAINING
2013 - 2016 | Fundación Jala

UNIVERSIDAD MAYOR DE SAN SIMÓN
2015 - 2016 | Bachelor of Informatics Engineering

UNIVERSIDAD MAYOR DE SIMÓN I. PATIÑO
2017 - 2020 | Bachelor on Systems Engineering

CORE STACK



TECHNOLOGIES, TOOLS & PRACTICES

Solidity, Service Now, Python, Java, C++, C#, Swift, Android, Tailwind, Material UI, Bootstrap, Zustand, Node, Next.js, Express, Pnpm, Git, Scrum, Kanban, Jira, VS Code, Cursor, Antigravity, Claude, Docker, PostgreSQL, MongoDB, Redis, FastAPI, Postman, Figma & Photoshop

MY NEXT CHAPTER

● AVAILABLE FOR REMOTE-FIRST GLOBAL OPPORTUNITIES

Seeking to join a forward-thinking team where I can leverage my expertise in React, TypeScript, and the latest AI tools to build software that truly matters and improves the human experience.

EXPERIENCE

2025 BAIRESDEV SOFTWARE DEVELOPER

Leading Online Learning Management System

- Architected and spearheaded the development of **high-performance UIs using React** (Hooks, Context API, TanStack Query) to achieve 95+ **Lighthouse** scores and sub-second load times.
- Led a strategic **legacy-to-modern migration**, transforming complex **Backbone.js** modules into a scalable **React** architecture while maintaining a robust **Ruby on Rails** backend with **GraphQL** and **REST APIs** for global users.
- Used **AI-driven development** workflows by integrating **Claude Code**, **Cursor**, and **other LLM tools**, increasing the shipping velocity through intelligent refactoring and automated edge-case identification.
- Followed an **Accessibility-First** culture, collaborating directly with designers in **Figma** to ensure **WCAG/a11y compliance** and high-fidelity implementation of **responsive designs**.
- Led **technical onboarding and mentorship for new engineers**, designing full-stack training tracks involving Next.js, Server-Side Rendering (SSR), Tailwind CSS, MongoDB, GitHub Actions, and PWA to **reduce ramp-up time by 40%**. It also included a real-time, secure communication chat utilizing **WebSockets** and **JWT (JSON Web Tokens)**.
- Hardened application security and observability by proactively **mitigating XSS and CORS vulnerabilities**, integrating **Sentry** for real-time event tracking, and managing **AWS** infrastructure during mission-critical on-call rotations.
- Followed **multi-tier testing strategy** using Jest, React Testing Library, Cypress, and Selenium, achieving **90%+ code coverage** and ensuring flawless deployment through branch-based testing and automated CI/CD pipelines.
- Selected twice for **engineering on-site summits in the United States**, meeting and collaborating with company engineering team and leadership to align technical roadmaps, sharing knowledge, and building an inclusive community.

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COURSES

**WEB DEVELOPMENT INTRODUCTION COURSE:
HTML AND CSS**
2019 | Instituto de Economía Internacional de la
Universitat d'Alacant

MOBILE APPS DEVELOPMENT COURSE
2019 | Universidad Complutense de Madrid

**SERVICE NOW CERTIFIED SYSTEM
ADMINISTRATOR**
2020 | ServiceNow

CS50'S COMPUTER SCIENCE
2020 | Harvard University

**CS50'S WEB PROGRAMMING WITH PYTHON AND
JAVASCRIPT**
2020 | Harvard University

BLOCKCHAIN STRATEGY PROGRAMME
2022 | Saïd Business School, University of Oxford

VOLUNTEERING

CS50'S STUDENT MENTOR
2021 | Online

OPEN-SOURCE PROJECTS CONTRIBUTION
GitHub

**KARTUS: MOBILE APP FOR AUTOMATIC TRACKING
AND PUBLIC SAFETY**
2022 | Development

CONTESTS

STARTUP WEEKEND COCHABAMBA
2014 | Jalasoft

NASA SPACE APPS CHALLENGE
2014 | UCATEC

CAPTURE THE FLAG
2019 | AGETIC

NATIONAL PROGRAMMING CONTEST
2017, 2018 & 2019 | ACM ICPC

LANGUAGES

SPANISH
Native

ENGLISH
Professional proficiency

FRENCH
Basic

2021 **BELIEVE SOLUTIONS**
SOFTWARE DEVELOPER

IT Management Platform for Public and Private
Organizations

- Engineered custom **ServiceNow Portal** features and complex backend logic using **JavaScript** and **AngularJS**, resulting in a more intuitive user experience and a **35% increase** in self-service ticket resolution.
- Managed the end-to-end deployment lifecycle of **ServiceNow update sets** and configurations, ensuring seamless releases across Dev, Test, and Production environments with zero downtime.
- Earned the **ServiceNow Certified System Administrator (CSA)** credential to master platform architecture.

2017 **JALASOFT**
SOFTWARE DEVELOPER & CORE ENGINEER

Intelligent Omnichannel Pharma Engagement Platform

- Architected and spearheaded the development of **flagship frontend features**, directly presenting architectural designs to the **CTO** to ensure strategic alignment with company goals.
- Engineered **complex data visualization** dashboards using **D3.js**, transforming large-scale telemetry datasets into interactive, actionable insights for executive-level decision-making.
- Spearheaded the **technical mentorship** of 3 developers, designing that successfully integrated them into production-ready workflows within an **accelerated 8-week timeline**.
- Optimized application **performance and maintainability** by refactoring core modules using **React, Redux, and SASS**, ensuring a scalable and accessible UI/UX.

2016 AI-Driven Observability & ITOps Platform

- Architected and implemented a **suite of Content-Libraries-as-a-Service** using **Python** to empower the platform, enabling seamless monitoring across heterogeneous environments.
- Engineered high-performance data consumers for diverse **cloud and infrastructure APIs**, including AWS S3, Azure, Aliyun, and VMware, standardizing data ingestion for the matrix software.
- Developed robust monitoring modules using SNMP, Docker, and Cisco APIs, integrating SQL database workflows to ensure **real-time infrastructure** visibility.
- Led the **technical mentorship** of 3 junior developers, designing and overseeing a series of internal pilot projects that **reduced their onboarding ramp-up time by 30%** and ensured a total success rate.

2016 Cybersecurity engineering platform

- Engineered a **PDF live reader and a migration tool** using **Ruby on Rails**, integrating a specialized backend threat detection system for real-time malware and virus identification.
- Architected and implemented a **scalable automation framework** from scratch using Selenium, Cucumber, and Java, ensuring the integrity and security of critical data-processing features.

2015 **JALASOFT**
INTERN

- Engineered a **data visualization PoC for project metrics**, using **Ruby on Rails** to aggregate data from multiple spreadsheets and display key performance indicators (KPIs).