

Guillermo Puente Sandoval

Senior Software Engineer · AI Systems · Full-Stack · Web3

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SUMMARY

Senior full-stack engineer with 10+ years shipping production systems to user bases in the tens of millions (Evernote, Groupon LATAM). End-to-end ownership from React / TypeScript frontends to Node.js / Go service layers, including AI-powered features (LLMs, RAG, tool-calling agents) and wallet-based identity infrastructure (EVM, DID, signature flows) powering DAO tooling. Shipped Evernote's first AI feature (AI Note Cleanup); core contributor on MakerDAO's Powerhouse platform (~2,100 commits over 2.5 years); led frontend architecture for Plug Wallet, a multi-chain crypto wallet (BTC, ETH, SOL, ICP). Day-to-day, I drive repo-wide refactors with Claude Code + MCP tooling – a workflow I bring to the teams I ship with.

SKILLS

AI SYSTEMS	LLM integrations (OpenAI), RAG, embeddings & vector search (Astra DB), tool-calling agents, prompt design, production cost guardrails, Vercel AI SDK
AGENT-DRIVEN DEV	Claude Code + MCP tooling to automate repo-wide refactors and scaffold features across large monorepos
WEB3	Ethereum / EVM, wallet-based identity (DID:pkh, SIWE), transaction signing, JWT-from-wallet auth, Internet Computer, IPFS, Filecoin, smart-contract tooling
LANGUAGES	TypeScript, JavaScript, Go, Python, C#, PHP
BACKEND	Node.js, Express, gRPC, GraphQL, REST, microservices
FRONTEND	React, React Native, Redux, RxJS, Electron, Vite, Webpack, Storybook, TailwindCSS
DATA & INFRA	PostgreSQL, MySQL, MongoDB, Redis, vector DBs · Docker, Kubernetes, CI/CD, Fly.io, AWS
PRACTICES	TDD, unit / integration / E2E testing, design review, mentoring

PROFESSIONAL EXPERIENCE

MakerDAO SES – Senior Software Engineer

Oct 2023 – Present · Remote

- Core contributor on Powerhouse, a DAO operations platform for governance, document management, and budgeting – ~2,100 commits across a multi-app monorepo.
- Ship and maintain Renown, Powerhouse's wallet-based identity + credential SDK (DID:pkh parsing, EVM signature verification, JWT bearer sessions) – the auth layer powering every Powerhouse app.
- Lead the design system used across 3+ production apps (Connect, Academy, Vetra) – React components, Tailwind tokens, Storybook, Vitest coverage.
- Designed Connect's dynamic plugin system – zero-config install of document models from an HTTP registry, with offline bundle preview and a package-manager UI.
- Drove platform migrations – Vite 8 + Vitest 4.1 + Tailwind 4.2, Express v5, pnpm workspace consolidation.
- Built Reactor MCP – an MCP server that lets coding agents (Claude Code, Cursor) scaffold document models end-to-end: state, operations, reducers, editors, drives.

Evernote – Senior Software Engineer

Jun 2021 – Jul 2023 · Remote

- Shipped Evernote's first AI feature – AI Note Cleanup – to its user base. Owned server-side OpenAI orchestration and in-editor UX. Launched mid-2023 as a 20% public beta before company-wide GA.
- Owned end-to-end delivery across Node.js / gRPC microservices and the Electron desktop (Win/macOS/Linux), iOS, Android, and Web clients – feature parity across 6 platforms.
- Delivered and maintained Tasks, a core productivity module used daily by millions across every Evernote client.
- Mentored 6–8 engineers across 2 internship cohorts (summers 2022 and 2023) – scoping, design review, pair-programming.

Fleek – Frontend Software Engineer

Jan 2019 – Jun 2021 · Remote

- Led frontend architecture for Plug Wallet, a browser-extension crypto wallet. Originally shipped for the Internet Computer; has since grown into a multi-chain wallet (BTC, ETH, SOL, ICP, Odin) with cross-chain swaps and in-wallet staking.
- Designed and shipped Space Desktop, a Dropbox-style cross-platform client for IPFS / Filecoin-backed storage – real-time sync, offline support, encrypted per-user containers across Win/macOS/Linux.
- Built developer tooling (web-based IDE, CI/deploy pipelines) for writing, testing, and deploying smart contracts on Ethereum and the Internet Computer.

ComparaOnline – Frontend Software Engineer

Feb 2018 – Jan 2019 · Santiago, Chile

- Delivered features for an insurance and financial-product marketplace serving Chile, Colombia, Brazil, and Argentina – React / Redux / RxJS frontend in a micro-frontend architecture, with GraphQL and Node.js microservices.

Groupon – Software Engineer

Jun 2017 – Feb 2018 · Santiago, Chile

- Founding engineer on the rebuild of Groupon's LATAM e-commerce platform from scratch, serving ~5 core markets (Brazil, Chile, Argentina, Mexico, Colombia) with tens of millions of pre-existing users.
- Owned multiple Node.js microservices and their consuming React frontends; drove migration of legacy services into the new architecture.

Borealis – Software Engineer

Aug 2016 – May 2017 · Santiago, Chile

- Delivered services, web and mobile apps for enterprise clients in a software-factory team – Node.js, Laravel (PHP), Angular, Ionic, MySQL, PostgreSQL.

PRIOR BACKGROUND · 6+ years in finance & accounting before pivoting to engineering – Accounting Analyst at Becton, Dickinson and Co. (2011–2016) and Fixed-Assets Analyst at Capgemini (2009–2011), Santiago, Chile. SAP ERP, treasury operations, and financial close processes. An analytical foundation that still informs how I approach engineering problems today.

EDUCATION

Instituto Profesional AIEP – Computer Science

2012 – 2015

Ingeniería de Ejecución en Informática, mención Desarrollo de Sistemas · Best Student – Sede BUS 2016.

Continuing (2021–2026): self-directed study in AI / LLM engineering – tool-calling agents, RAG, Vercel AI SDK, production guardrails. Prior: Electron (FullStack), Go (Udemy), React Native (Udemy).