

Sandy Veliz

Senior Developer · AI & Product · Forward Deployed Engineer

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PROFILE

Developer with 10+ years of experience building web, mobile, and digital products, combining software development, UX/UI, and technical leadership. I work close to users and business stakeholders to understand problems, design solutions, and take them to production, with a strong focus on **Forward Deployed Engineering (FDE)**.

My current focus is applied AI and agentic development: I do not just use agents to build software; I design their orchestration, skills, rules, prompts, and context strategies so entire teams can work with AI more consistently, faster, and with better outcomes.

PROFESSIONAL EXPERIENCE

Perficient · Remote

07/2025 – Present

Caterpillar — Senior Software Engineer Consultant

- Developed web applications with Angular and Next.js, focusing on usability, scalability, and maintainable frontend architecture.
- Collaborated with Tech Leads on architecture, service design, workflows, and integration across complex applications.
- Designed and evolved the team's AI-agent operating model:** agent orchestration, skills, rules, prompts, and context strategies to standardize AI-assisted development.
- Continuously evaluated new agentic practices and tools, integrating them into team workflows to improve delivery speed, documentation, consistency, and quality.
- Identified product and UX/UI issues, designed solutions in Figma, and supported implementation through delivery.
- Worked with Spring Boot, AWS, Azure, GitHub, CI/CD, and automated testing with Playwright.

Perficient · Remote

06/2024 – 06/2025

SONDA — Senior Front-End Consultant

- Developed high-performance Angular interfaces and collaborated on architecture, services, and workflows.
- Analyzed and improved UX/UI in Figma, working closely with technical and product teams.

Perficient · Remote

09/2022 – 06/2024

Limelight — Senior Front-End Consultant / Front-End Lead

- Led a frontend team of 3 developers, conducting code reviews and establishing development best practices.
- Reduced CI/CD pipeline time by 40% through GitLab automation and maintained Docker containers for scalable deployments.
- Improved reliability with Jest and Cypress; partnered with Product to resolve UX/UI issues and improve user flows.

Contractor · Cipolletti

02/2021 – Present

Project Lead — Butaco

- Planned and developed a custom ERP, initially working independently and later building and leading a team of 3 people.
- Designed and delivered the solution end-to-end with Angular, Node.js, and Firebase, including an internal web app, external client portal, and mobile app.
- Led discovery and UX/UI from scratch in Figma through on-site visits, requirements gathering, and user testing at the client's operations base.

PROFESSIONAL EXPERIENCE • CONTINUED

Contractor

02/2021 – 05/2025

Front-End Lead — Dotcom

- Led technical discussions and architecture planning for new features.
- Designed and implemented UX/UI, usability, and accessibility improvements; mentored a collaborator to support project continuity and quality.

Agency Coda • Remote

02/2022 – 10/2022

Senior Front-End Developer

- Developed Angular web applications and Flutter mobile applications across multiple projects.
- Designed and maintained UI components in Figma and contributed to development best practices from implementation through deployment.

Dotcom Argentina • Cipolletti

02/2018 – 01/2022

Senior Front-End Developer

- Developed an HR SaaS platform covering time tracking, uniform distribution, vacations, work agreements, and shift planning.
- Led frontend development with Angular and Ionic and designed UX/UI in Figma, improving usability and workflow efficiency.

Micracel SRL / microTRACK • Cipolletti

02/2016 – 01/2018

Front-End Developer

- Developed a map-based application for vehicle-fleet analysis and tracking.
- Designed and developed a vehicle-maintenance application for service management, alerts, and expense control.
- Built the Angular frontend and designed UX/UI for both applications, with a focus on data visualization and operational usability.

SELECTED PRODUCTS

I build products in parallel to validate ideas, product decisions, and AI workflows in real systems. My portfolio includes additional projects and experiments.

Walletfy

PRODUCTION

Personal-finance product for expenses, installments, credit cards, goals, and shared finances, including expense capture through WhatsApp. Designed, built, and operated end-to-end.

Checkear

IN DEVELOPMENT

Product focused on digitizing inspections, field data collection, and operational follow-up. Designed and developed end-to-end, with automation and AI as part of its evolution.

SAM

PERSONAL R&D

Agent-orchestration system for research, planning, development, QA, and documentation, with parallel execution, specialized skills, and human supervision.

SKILLS

AI Engineering	AI Agent Architecture • AI Agent Development • Agent Orchestration • Agentic Workflows • AI Skills • Prompt Engineering • Context Engineering • MCP • RAG • LLMs
AI Tooling	Claude Code • GitHub Copilot • Gemini • Ollama • LM Studio • n8n • Python • OpenAI API • Qdrant
Frontend	Angular • React • Next.js • TypeScript • JavaScript • Tailwind CSS
Mobile	Ionic • Capacitor • Flutter
Backend & Data	Node.js • Spring Boot • Firebase • SQLite
Cloud / DevOps	AWS • Azure • Google Cloud • Docker • GitHub Actions • GitLab CI • Jenkins
Testing	Playwright • Cypress • Jest • Jasmine
FDE & Product	Technical Discovery • Solution Design • Customer-facing Development • Rapid Prototyping • Product Discovery • UX/UI • Figma

LANGUAGES

Spanish: Native • English: B2 - comfortable with written and spoken professional communication, business meetings, and technical documentation.