

Francisco Sandi Suarez – Senior Software Engineer | Applied AI

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Senior Software Engineer with 9+ years of experience designing and building scalable cloud-native platforms, distributed systems, and high-impact digital products across startup, enterprise, and FAANG environments. Proven track record leading architecture and end-to-end development of complex systems, including AI-powered platforms leveraging LLMs, semantic search, and intelligent automation to drive measurable business impact. Strong background in system design, cloud infrastructure, and full-stack engineering, with hands-on experience delivering production systems at scale.

EDUCATION

The University of Texas at Austin **Austin, TX, USA (Remote)**
Master of Science in Artificial Intelligence (GPA: 3.7/4) **2026**

- Focused on machine learning, deep learning, natural language processing, reinforcement learning, and AI systems for real-world applications.

Bolivian Catholic University **La Paz, Bolivia**
Bachelor of Science, Information Systems Engineer **2018**

- Graduated with honors, receiving the highest distinction for the final degree project, earning Academic Excellence Scholarships, and representing Bolivia for three consecutive years at the South American ICPC Competitive Programming Contest through the university programming team.

WORK EXPERIENCE

The Washington Post **Washington DC, USA**
Senior Software Engineer **March 2023 – Present**

- Led the architecture and development of an AI-powered sales enablement platform leveraging LLMs, embeddings, intelligent document-processing pipelines, and external data integrations to automate proposal generation, audience recommendations, and campaign workflows, influencing \$2.2M+ in revenue within its first year, achieving 75%+ adoption among target users, and contributing to a patent-pending platform being evaluated for commercialization across external publishing organizations.
- Designed and implemented scalable AI-driven cloud infrastructure on AWS using CDK, ECS, Lambda, DynamoDB, S3, API Gateway, and event-driven architectures to power internal advertising and automation platforms used across multiple teams.
- Led the development of AI-assisted content and campaign optimization tools integrating Amazon Kendra, Google Vertex AI, semantic search, and recommendation systems to streamline article curation, improve campaign workflows, and reduce operational delays.
- Designed and implemented privacy-compliant identity and authentication systems integrating third-party providers to address advertising data deprecation challenges, unlocking \$500K+ in projected annual revenue.
- Automated critical advertising operations workflows, replacing manual verification and campaign management processes with internal tooling that reduced turnaround times from days to minutes, saved \$100K+ annually, and eliminated 730+ hours of manual work per year.

Tools: Python, JavaScript, TypeScript, HTML, CSS, React, Solid.js, Next.js, Node.js, AWS, Docker, LLMs.

Amazon **Madrid, Spain**
Software Development Engineer II **Feb 2022 – Dec 2022**

- Led the migration of a critical Amazon Marketplace component serving 9B+ daily impressions across 20+ countries, improving system scalability and supporting global search and discovery experiences.
- Contributed to large-scale search experience initiatives impacting millions of users worldwide, helping drive an estimated \$19M+ in additional revenue through CX and search optimization improvements.
- Developed internal personalization services for Amazon Search, designing privacy-compliant data handling workflows aligned with GDPR and CCPA standards to enable large-scale user experience personalization across international markets.

Tools: Java, JavaScript, TypeScript, HTML, CSS, AWS.

BairesDev
Senior Software Engineer

San Francisco, USA (Remote)
Aug 2020 – Oct 2021

- Led the development of enterprise identity verification and background check systems, integrating compliance-driven workflows and third-party services to streamline onboarding and verification processes for U.S.-based clients.
- Architected and delivered full-stack web and mobile platforms, including reusable UI component libraries and cross-platform iOS/Android applications, improving development consistency, scalability, and delivery speed across projects.
- Integrated external platforms and APIs, including Google Maps, HelloSign, and Turning, to automate workflows and enhance user experience across customer-facing applications.

Tools: JavaScript, TypeScript, HTML, CSS, Angular, Ionic, React Native, Node.js, AWS.

Self-Employed
Freelance Software Engineer

Cochabamba, Bolivia
Jan 2019 – Aug 2020

- Delivered full-stack web and mobile applications for clients across e-commerce, legal, and healthcare industries, leading projects from architecture and development to deployment and production launch.
- Built scalable applications and business automation workflows, integrating third-party services such as payment platforms, WhatsApp Business, Google Maps, and cloud-based backend infrastructure, helping clients streamline operations and improve user engagement.

Tools: JavaScript, TypeScript, HTML, CSS, Angular, Ionic, Node.js, Firebase.

Chance
Software Engineer, Technical Lead

La Paz, Bolivia
Jan 2017 – Dec 2018

- Led the development of a cross-platform mobile application for iOS and Android, reaching 7,000+ downloads and maintaining a 4.7/5 user rating during its first year.
- Designed and launched a cloud-based event management platform used to manage 700+ events, contributing across frontend, backend, infrastructure, and product delivery in a fast-paced startup environment.

Tools: Typescript, JavaScript, HTML, CSS, Angular, Ionic, Firebase.

SKILLS

- **Programming Languages:** Python, TypeScript, JavaScript, C++
- **Cloud & Infrastructure:** AWS (CDK, ECS, Lambda, DynamoDB, S3, API Gateway), Firebase, Docker
- **Frameworks & Platforms:** React, Next.js, Node.js, Angular, React Native, Ionic, Solid.js
- **AI & Data:** LLM integrations, semantic search, embeddings, recommendation systems, intelligent automation
- **Languages:** Spanish (Native), English (Fluent/C1), German (Professional proficiency/B2)

AWARDS & ACHIEVEMENTS

- Represented Bolivia for three consecutive years at the ACM ICPC South American Programming Contest (2013, 2014, 2015).
- 1st Place, CO-HACK 2019 Hackathon, developing technology solutions with social and environmental impact.
- Google Agile Project Management Certification, Google Career Certificates (2021).