Andrés Felipe Suárez Villegas

Senior Software & Solutions Engineer

[GitHub](#) [LinkedIn](#) [Stack Exchange](#) [Codealike](#) [Email](#) [Instagram](#) | Colombia · Remote

Professional Summary

Senior Software & Solutions Engineer with 8+ years building and operating secure, scalable platforms across SaaS, insurtech, GIS, e-commerce, and fintech. Deep experience in AWS, Node.js/TypeScript, React, data modeling, and integrations. Known for owning complex, high-risk systems end-to-end: stabilizing production, improving security posture, and accelerating delivery. Track record includes 30% cloud cost reductions and 90% vulnerability reductions, with hands-on work in regulated environments (SOC 1/SOC 2 Type II).

Key Achievements

- Led hardening and modernization of a mission-critical insurance claims platform; became subject-matter expert and primary owner for reliability, security, and performance in a SOC-audited environment.
- Reduced cloud spend by **30%** through architectural right-sizing, observability improvements, and CI/CD optimizations.
- Drove security controls and SDLC governance that reduced vulnerabilities by **90%**.
- Delivered **28+** projects across **11 countries** and **15 industries** (SaaS, GIS, healthcare, e-commerce).
- Recognized by **Codealike** for efficiency and innovation (**[interview](#)**)

Professional Experience

Senior Software & Solutions Engineer (Contract)

HireWorks — Client: Benekiva · Apr 2025 – Present · Remote

- Took ownership of a complex insurtech platform, rapidly becoming the SME for reliability and incident response across services and data pipelines.
- Designed and implemented secure, highly available AWS architectures (API Gateway, Lambda, EC2, RDS, S3, DynamoDB) aligned to SOC 1/SOC 2 Type II expectations.
- Built and evolved RESTful APIs used by policyholders, beneficiaries, and agents; improved service boundaries and error handling for better stability.
- Championed security best practices, threat modeling, and least-privilege IAM; improved auditability with structured logging and monitoring (CloudWatch, X-Ray, Elasticsearch).
- Collaborated with cross-functional leaders to prioritize technical debt and platform risk, de-risking deployments and accelerating delivery.

Senior Software Engineer (Freelance)

Usermuse.AI · Oct 2024 – Jan 2025 · Remote

- Prototyped and shipped full-stack features across multiple product lines in a small, fast-moving team; used **React, TypeScript, Firebase, Node.js**.
- Integrated LLM capabilities using **OpenAI**, **Anthropic**, and **Gemini** APIs; leveraged AI coding tools to speed iteration while maintaining code quality.
- Participated in architecture reviews with senior advisors from leading tech companies; contributed to decisions on scalability, data boundaries, and API design.
- Adopted secure coding practices guided by security advisors; improved authentication/authorization flows and secret management.
- Regularly evaluated new platforms, tools, and APIs; documented findings and established patterns for the team.

Software & Solutions Engineer

Brooklyn Vendor Assurance · Dec 2018 – Apr 2025 · Remote

- Designed and deployed scalable AWS architectures ensuring high availability and fault tolerance; automated provisioning with **CloudFormation** and **AWS CDK**.
- Built CI/CD pipelines (GitHub Actions, CodePipeline) for automated testing and deployments; shortened release feedback loops.
- Developed web UIs and backend services (Node.js/TypeScript, Express/Koa, SQL/NoSQL) with performance-conscious data models and caching.
- Implemented security controls and guardrails (WAF/IAM/KMS/Secrets Manager), contributing to a **90%** reduction in vulnerabilities.
- Led Agile ceremonies, mentored engineers, and translated complex technical trade-offs for non-technical stakeholders; initiatives delivered **~20%** cost savings.

Selected Consulting & Freelance Engagements

Collaborated with global clients to deliver custom software solutions, seamless integrations, and optimized systems. Below are selected projects; full portfolio available in my: [Career Timeline.](#)

Proax Data — Lead GIS Solutions Architect · 2023 · Mexico
Stack: Google Apps Script, Google Sheets, React, Mapbox
Built a geospatial data visualization platform for real estate and mining; improved data management workflows and map performance.

Factoring Abogados (SaaS) — SaaS Developer & AWS Specialist · 2022 · Colombia
Stack: AWS (Amplify, Cognito, Lambda, SNS, S3, RDS, API Gateway, CloudWatch), React
Delivered a multi-tenant platform automating judicial data collection and case management; implemented secure auth and event-driven processing.

Cinekomuna — Lead Backend Developer / DevOps · 2022 · Mexico
Stack: MeteorJS, Node.js, MongoDB, AWS (EC2, S3, CloudWatch)
Refactored services, optimized MongoDB indexes, and strengthened observability/security; improved scalability and resilience.

Klazia — Technology Consultant & Developer · 2022 · Colombia
Stack: AWS, Strapi, React, Node.js
Upgraded Strapi and refined AWS infrastructure to enhance performance and reduce costs.

TODOSURF — Web & GIS Developer · 2019 · Spain
Stack: React, Leaflet, Public APIs
Built a web app for real-time surf conditions with an interactive map UI.

Technical Skills

Languages: JavaScript/TypeScript (ES6+), Python, SQL, NoSQL
Frontend: React, Next.js, UI libraries (Tamagui, others)
Backend: Node.js, Express, Koa, Strapi; API design (REST); AuthN/AuthZ
Databases & ORM: PostgreSQL, MySQL, MongoDB, DynamoDB; Prisma, Sequelize
Cloud & IaC: AWS (Lambda, API Gateway, EC2, RDS, S3, SNS/SES, Cognito, Amplify), CloudFormation, AWS CDK, SAM; Serverless patterns
DevOps & Observability: Docker, GitHub Actions, Bitbucket Pipelines, CodePipeline; CloudWatch, Elasticsearch, X-Ray; logging/metrics/tracing
Testing: Jest, Mocha, Cypress, Selenium
GIS & Visualization: PostGIS, Leaflet, Mapbox, OpenLayers, GeoServer, D3
AI/LLM: OpenAI, Anthropic, Gemini APIs; prompt-driven feature prototyping

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Education

Technologist in Information Systems — Universidad del Valle · 2015–2021
English Proficiency (B1+) — Centro Cultural Colombo Americano · 2014–2015