

JORGE ARCE SOLANO

FULL STACK SOFTWARE ENGINEER | SAAS PRODUCTS | FUNCTIONAL QA

Curridabat, San José, Costa Rica | +506 8328-7094 | jarce-s03@hotmail.com

linkedin.com/in/jorge-arce-solano | github.com/Jarce003 | firetrackcr.com

PROFESSIONAL SUMMARY

Systems Engineer and Full Stack Software Engineer with hands-on experience building and maintaining production web applications. Principal developer of FireTrack, a multi-tenant SaaS platform, and EvacuaPlan Studio, an interactive web editor. I combine requirements analysis, architecture, development, security, functional testing and clear communication to turn operational needs into reliable products.

SELECTED PRODUCTS

FireTrack - Multi-Tenant Fire Safety SaaS

Principal Developer | 2025 - Present | [Next.js](#), [TypeScript](#), [Supabase](#), [PostgreSQL](#)

- Designed and deployed a multi-company platform for inventory, inspections, maintenance, users, roles, alerts, audit records, QR access, PDF reporting, email and Excel imports.
- Implemented authentication, company-scoped permissions, server-side validation and Row Level Security for secure tenant isolation.
- Owned requirements, architecture, frontend, backend, testing, deployment and ongoing maintenance.

EvacuaPlan Studio - Interactive Emergency-Plan Editor

Principal Developer | 2026 - Present | [Next.js](#), [React](#), [TypeScript](#), [Konva](#)

- Building a browser-based graphical editor with drawing, transformation, multi-selection, copy/paste, undo/redo and PDF-oriented workflows.
- Validated desktop and iPad interaction using mouse, touch, pinch-zoom, two-finger pan and Apple Pencil.

PROFESSIONAL EXPERIENCE

Full Stack Software Engineer

Independent Software Development | 2025 - Present

- Develop business applications and SaaS products from functional definition through production.
- Build interfaces, APIs, data workflows, authentication, roles, reports and operational tools.

Firefighter, Instructor and Project Coordinator

Benemérito Cuerpo de Bomberos de Costa Rica | 2014 - Present

- Work in high-responsibility environments requiring risk assessment, discipline, communication and calm decision-making under pressure.
- From 2022 to January 2025, coordinated Moodle course virtualization, contributor workflows and training requirements at the National Fire Academy.

PROFESSIONAL FOCUS

Full Stack Development

SaaS Products

Functional QA

Remote Contracts

TECHNOLOGY AND CAPABILITIES

Frontend: Next.js, React, TypeScript, JavaScript, Tailwind CSS, HTML5, CSS3

Backend & data: Node.js, REST APIs, PostgreSQL, Supabase, SQL, authentication, RBAC and RLS

Quality & delivery: Functional, exploratory and regression testing, Git/GitHub, Vercel, build validation

Foundations: C#, .NET Framework, Java and Python

EDUCATION

Bachelor's Degree in Systems Engineering

Universidad Autónoma de Centro América (UACA), 2024

Summa Cum Laude Probatus distinction

LANGUAGES

Spanish: native

English: C1 advanced

STRENGTHS

- Requirements analysis
- Stakeholder and team communication
- Business-oriented problem solving
- End-to-end ownership

AI-ASSISTED WORKFLOW

I use AI tools for analysis, planning, implementation, debugging, refactoring, testing and documentation. I personally review, adapt and validate every change before deployment.