

Israel Suaste Rivas

SOFTWARE ENGINEER | AI AND AUTOMATION | FULL-STACK .NET / REACT

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English: Fluent | Spanish: Fluent | French: Fluent

PROFESSIONAL SUMMARY

Software Engineer and AI automation professional specializing in C#/.NET, ASP.NET Core, SQL Server, React, TypeScript, n8n, RAG, and operational software. Builds reliable web and mobile platforms for legal intelligence, field operations, HR, regulatory compliance, utilities, CRM, and competency evaluation. Experienced in requirements analysis, technical coordination, testing, deployment, and production support.

TECHNICAL SKILLS

Software engineering	C#, .NET 8/9/10, ASP.NET Core, MVC, Razor, Entity Framework Core, REST APIs, SQL Server, MySQL, PostgreSQL
AI, frontend and automation	React, TypeScript, TanStack, n8n, workflow automation, chatbots, RAG, AI-assisted information workflows
Architecture and delivery	Role-based access, Identity/JWT, multi-tenant isolation, offline-first capture, synchronization, reporting, testing, troubleshooting, deployment
Systems background	Electronics, analog and digital systems, surface equipment, wireline tools, maintenance operations, inventory, and field troubleshooting

PROFESSIONAL EXPERIENCE

Software Engineer and AI Automation Developer

Isuri Lab | Montreal, Canada | January 2024 - Present

- Design and deliver software, AI-assisted information tools, and workflow automations for operational teams.
- Build modular web applications and business workflows with C#/.NET, ASP.NET Core, SQL Server, React, TypeScript, n8n, APIs, chatbots, and RAG.
- Translate requirements into maintainable systems with role-aware access, reporting, authentication, testing, troubleshooting, and delivery support.

Founder and Software Developer

AsknLog | Field operations and reporting platform

- Founded and developed a structured survey and field-operations platform with offline capture, synchronization, AI-assisted survey creation, reporting, and worker access control.
- Connected Android and ASP.NET Core workflows with SQL Server persistence so field teams can continue working with intermittent connectivity.

Co-Founder and AI/Product Contributor

Nyrava Mexico | Legal intelligence platform

- Co-founded and contributed to a legal-intelligence platform for Mexican lawyers with document analysis, source-linked evidence, citation verification, and reproducible reports.
- Supported multi-agent workflows, tenant isolation, CRM and product systems, AI feature development, quality gates, testing, and debugging.

Project Coordinator

GSG Petroleum, OILMEX and Petroga | Villahermosa, Mexico | February 2014 - November 2023

- Managed programmer teams and coordinated software projects from requirements and proposals through implementation, training, deployment, and support.
- Improved business processes through cross-functional collaboration, progress reporting, client requirements gathering, and software proposals.

Maintenance Engineer

Halliburton Worldwide | Mexico, Colombia and Iraq | April 2007 - January 2014

- Led field technicians and maintained surface, open-hole, cased-hole, and production-logging systems under demanding operational conditions.
- Reduced tool repair time by 20%, reduced repair errors by 25% through training, and reduced defective tools by more than 50% with a new testing protocol.

SELECTED PLATFORMS

SASISOPAWEB - Regulatory compliance and energy operations

Microsoft .NET platform for regulatory programs, permits, inspections, reminders, evidence, and audit readiness. C# | .NET 9 | ASP.NET Core | SQL Server

SREE Lecturas - Meter readings and utility operations

Meter-reading platform for CUV with offline field capture, photographic evidence, synchronization, administration, billing operations, tickets, and reporting. C# | ASP.NET Core | .NET 10 | SQL Server

Alas Migrantes - Bolsa de Trabajo - Recruitment and human resources software

Recruitment and HR application covering vacancies, applications, candidates, employees, partner companies, reports, catalogs, and role-based access. C# | ASP.NET Core MVC | .NET 9 | EF Core

UNACAR - Competency Evaluation - Talent and competency evaluation

Configurable assessments, questionnaires, scoring, percentiles, interpretation rules, collaborator workflows, and institutional reporting. ASP.NET Core MVC | C# | EF Core | SQL Server | Identity/JWT

Zirvex - Territorial Operations - Territorial CRM and field operations

Role-based coordination, electoral geography, interactive maps, QR capture, validations, dashboards, reports, and activity traceability. ASP.NET Core | C# | .NET 8 | SQL Server | Syncfusion

EDUCATION AND CREDENTIALS

Master of Science in Electronics - National Institute of Astrophysics, Optics and Electronics (INAOE) | December 2004

Thesis: Implementation of a Hybrid Neural Network for Infant-Cry Recognition. Research in neural-network-based pattern recognition and electronic systems.

Bachelor of Electronics Engineering - Digital Systems - Technological Institute of Merida | April 2002

Software Engineering studies - Universidad Abierta y a Distancia de Mexico | Additional undergraduate coursework

Hugging Face Agent Course Certification | February 2025

PROFESSIONAL STRENGTHS

Requirements analysis | Technical leadership | Cross-functional communication | Team coordination | Problem solving under pressure | Training and deployment | International field operations