

IRVING RIVERA

Lead Software Engineer | AI-Accelerated Development | Founder, IRT Solutions

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PROFESSIONAL SUMMARY

I'm a Lead Software Engineer with 10+ years building software for financial and insurance systems. I founded IRT Solutions LLC, where I handle client projects myself using AI tools and APIs like Claude and OpenAI to move faster. At Allstate, I lead AI adoption on the Claims Technology Services team. I modernize legacy VB.NET systems to Java Spring Boot and work on payment processing, reconciliation, and compliance controls. I split my time between hands-on coding and leading Agile teams across different locations.

AI & CORE COMPETENCIES

AI tool adoption across engineering teams, client scoping and proposal management, distributed Agile team leadership, LLM API integration for production applications.

LLM API integration (Anthropic Claude, OpenAI), AI-accelerated full-stack development, prompt engineering, agentic workflow design, AI-assisted code review and testing, rapid prototyping with AI.

Java Spring Boot, .NET/C# / ASP.NET MVC, React / AngularJS, ServiceNow (Scoped Apps), Kafka, ADX / KQL, MongoDB / SQL Server, AWS / GCP, CI/CD (Harness / Jenkins).

FEATURED AI PROJECT

AI Job Agent — job-agent-production-76b5.up.railway.app

Full-stack AI-powered job search assistant. Built and deployed end-to-end using AI-assisted development. Uses LLM APIs to automate job matching and tailor application materials. Deployed on Railway.

PROFESSIONAL EXPERIENCE

Allstate Irving, TX

2020 – Present

Managing Software Engineer — Claims Technology Services

- AI-Accelerated Engineering: lead AI adoption across the team, using AI tools to increase coding velocity, enforce code quality, and modernize legacy VB.NET claims systems to Java Spring Boot.
- Leadership: lead geographically dispersed Agile teams, balancing 50% hands-on architecture with 50% strategic engineering direction.
- Payments & Compliance: support Pay.gov payment processing, reconciliation, and duplicate payment prevention within claims systems, defining validation and audit controls aligned to regulatory compliance requirements.
- Data & Distributed Systems: author KQL queries against Azure Data Explorer (ADX) for payment pipeline monitoring and Power BI KPI reporting; engineer Kafka consumers and the Saga pattern for claims payment transactions.

IRT Solutions LLC Carrollton, TX

2020 – Present

Founder & Lead Software Engineer / AI Consultant

- Own project scoping, proposals, and delivery end-to-end as sole engineer and consultant for clients across insurance, logistics, and services industries, including a return contract engagement with former employer Premier Trailer Leasing.
- Design and deliver custom software solutions using AI-accelerated development, reducing time-to-delivery by 50%+ versus traditional approaches; integrate LLM APIs (Claude, OpenAI) into client applications for intelligent automation, document processing, and conversational interfaces.
- Built and deployed client marketing sites entirely with AI-assisted development, including sonobedi.com (custom furniture studio) and holeydonutsdenton.com (local bakery).

Discover Technologies Herndon, VA

2019 – 2020

Senior Software Engineer / Consultant

- ServiceNow Platform: architected and developed DocIntegrator, a custom scoped app for document workflow automation, including custom widgets, REST integrations, and role-based permissions.
- Modernized legacy Python frameworks to React and Java Spring Boot for federal agency clients (FDA); built a SharePoint intranet dashboard used by 20,000+ federal employees (SPFX, Power Apps).

Premier Trailer Leasing Plano, TX

2018 – 2019

Senior Software Engineer — built a multi-tiered .NET/C# framework separating data layers for horizontal scalability on customer-facing apps, and integrated Google APIs for real-time CRUD operations.

State Farm Dallas, TX

2014 – 2018

Full Stack .NET Developer — managed full SDLC for insurance applications, migrating on-prem IIS services to AWS and maintaining SSIS packages and SQL Server databases for data integrity.

EDUCATION

Bachelor of Business Administration — Computer Information Systems & Management

University of Texas at El Paso