JULIO SALAS

Full Stack AI Engineer | LLM Applications · RAG · Agentic Workflows

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PROFESSIONAL SUMMARY

Full stack engineer focused on LLM-powered applications. Built a retrieval-augmented generation (RAG) chatbot with embeddings and a vector store, and designed, tested, and evaluated agentic AI workflows with human-in-the-loop review at Accenture using Salesforce Agentforce for Con Edison. Since 2025, independently ship and operate production web applications for paying clients, including a Next.js invoicing platform with AES-256-GCM encrypted share links and privacy-focused handling of customer PII. Uses AI coding assistants such as Claude Code and GitHub Copilot alongside manual coding, reviewing AI-generated code carefully. Works directly with business stakeholders to scope problems and explain technical trade-offs in plain language.

TECHNICAL SKILLS

AI / LLM Engineering: LLM-powered applications · Retrieval-augmented generation (RAG) · Embeddings · Vector store (AstraDB) · OpenAI API · Agentic workflows (Salesforce Agentforce) · Prompt engineering · Structured prompts · LLM output evaluation · Human-in-the-loop review
AI Coding Tools: Claude Code · GitHub Copilot · Claude · ChatGPT · Gemini
Full Stack: Next.js · React · TypeScript · JavaScript · Java · Spring Boot · REST APIs · MySQL · SheetDB · Tailwind CSS
DevOps & Workflow: Git · GitHub · GitHub Actions (CI/CD) · Vercel deployment and environment configuration · Code reviews · Agile/Scrum
Security & Privacy: AES-256-GCM encryption · Server-side secret management · PII protection · Read-only public access design

WORK EXPERIENCE

Freelance Full Stack Engineer — Aug 2025 – Present

Self-employed | Bronx, NY

- Designed, built, and operate **Auto Shop Invoicing CRM**, a client-owned Next.js invoicing and CRM platform for an auto repair shop, replacing subscription shop software (demo: auto-shop-crm-demo.vercel.app).
- Shipped features staff use daily: camera-based VIN scanning, PDF receipts by email (Resend API), receipt history, returning-customer lookup, and a daily totals dashboard.
- Engineered secure public invoice links with deterministic AES-256-GCM encrypted tokens verified by a server-only secret, so links expose no IDs, names, or phone numbers and need no extra database.
- Protected customer PII by excluding contact details and internal data from public pages and blocking search indexing; managed production secrets through Vercel environment variables.
- Gather requirements directly from the shop owner and ship iterative improvements, using Claude Code to speed up development while reviewing generated code before release.

AI Prompt Engineer Apprentice — Oct 2024 – Oct 2025

Accenture | New York, NY

- Designed, tested, and refined structured prompts for agentic AI workflows in Salesforce Agentforce for Con Edison, extracting, routing, and automating business requirements across CRM processes.
- Evaluated LLM output through iterative testing and human-in-the-loop review against compliance and business requirements before production deployment.
- Debugged unexpected model behavior at the prompt and context level with cross-functional teams, turning client business logic into reliable, repeatable AI-driven actions.
- Created reusable prompt frameworks and documentation to onboard engineers to AI-assisted development practices.

Full Stack Developer — Apr 2024 – Oct 2024

PeopleShores | Bronx, NY

- Built full stack applications with React and Java/Spring Boot, designing REST APIs, integrating MySQL, and validating endpoints with Postman.
- Worked in Agile sprints with peer code reviews, bug fixes, and on-schedule feature delivery.

Digital Communication Specialist — Jan 2022 – Jun 2023

NYC Department of Social Services (DSS/HRA) | New York, NY

- Maintained public-facing agency web pages in HTML/CSS and reconciled data for Excel reporting.

PROJECTS

- **NYC GPT — RAG Chatbot:** Built a retrieval-augmented generation chatbot with Next.js, TypeScript, the OpenAI API, embeddings, and AstraDB vector search, grounding answers in a curated knowledge base.
- **POS Invoice Manager — Point of Sale for Buffet Lucia's Fiesta Mexicana (Bronx catering):** Built solo and in production since Aug 2025 (React, Vite, Node.js serverless, Stripe, Twilio, SheetDB). Card amounts and fees are computed on the server, SMS goes only to opted-in customers, invoice links are signed, and CI blocks leaked secrets (demo: pos-invoice-manager.vercel.app).

EDUCATION & CERTIFICATIONS

- **Associate in Information Technology** — Guttman Community College (Feb 2023) · **Certificate in Cybersecurity** — Per Scholas (Dec 2023)
- **Codecademy:** Introduction to Claude Projects (Jul 2026) · Learn React (Mar 2026) · Intro to Java (Oct 2025)