

ISAAC LERMA

Senior Software Engineer — Full-Stack & Cloud Infrastructure

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PROFESSIONAL SUMMARY

Senior Full-Stack Engineer with 7+ years building scalable web applications, cloud-native systems, and mobile solutions for enterprise clients. Deep expertise across TypeScript/Node.js, Python, and AWS infrastructure (Lambda, ECS, RDS, OpenSearch), with hands-on experience integrating LLM-based tools and conversational AI into production workflows. Comfortable owning projects end-to-end across cross-functional, multi-timezone teams.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, Kotlin

Frontend: React, Next.js, Astro, Angular, Tailwind CSS

Backend: Node.js (Express, NestJS, AdonisJS), Python (Django, FastAPI), Bun, Laravel

AI & Agents: Anthropic API & Claude Code (AI-assisted development), Amazon Lex V2 (conversational AI), agentic tool-use workflows

Databases: PostgreSQL, MySQL, MongoDB, DynamoDB, Redis

Cloud & DevOps: AWS (Lambda, ECS, EC2, RDS, S3, CloudFront, API Gateway, OpenSearch), Terraform, Docker, Vercel, GitHub Actions / CI-CD

PROFESSIONAL EXPERIENCE

Senior Full-Stack Developer — Lumston · Point B

Aug 2021 – Present

Zapopan, Jalisco (Remote)

- Increased development efficiency by 75% (measured by weekly task completion) by adopting AI-assisted workflows with Claude Code for coding and debugging.
- Architected and delivered scalable web applications using TypeScript with Next.js, Angular, and Tailwind CSS for enterprise-level dashboards and landing pages.
- Built and maintained microservices and monolithic backend systems with Node.js (Express, NestJS, AdonisJS) and Python (Django, FastAPI), integrating RESTful APIs and third-party services.
- Designed and deployed AWS infrastructure (Lambda, ECS, EC2, RDS, S3, CloudFront, API Gateway, OpenSearch), provisioning environments with Terraform for automated, production-ready deployments.
- Developed conversational AI chatbots by integrating Amazon Lex V2 with Lambda functions in Python and Node.js, reducing manual support load for clients.
- Implemented CI/CD pipelines with GitHub Actions, cutting deployment time and improving code quality through automated testing and linting.
- Collaborated with cross-functional teams across multiple time zones, consistently delivering clean, well-documented, maintainable code on schedule.

Full-Stack & Android Developer — Geekloppers

Mar 2019 – Jul 2021

Culiacán, Sinaloa (Remote)

- Developed dynamic, responsive web applications using Node.js, Laravel, Angular.js, and Bootstrap, handling both frontend UI and backend logic.
- Built high-performance Android applications using Java and Kotlin with Android Native, delivering scalable, maintainable mobile solutions for diverse clients.

Web Developer (Freelance) — Troya Digital

Oct 2019 – Apr 2020

Mazatlán, Sinaloa

- Created responsive landing pages and marketing sites with jQuery, Bootstrap, and animation libraries, optimized for performance and cross-browser compatibility.

Data Analyst — Forwxrd

Jul 2018 – Jan 2019

Mazatlán, Sinaloa

- Performed data analysis and visualization using R (Plotly, ggplot2) for marketing intelligence; designed and maintained relational databases.

Web Developer — Solemti

Sep 2017 – Dec 2017

Mazatlán, Sinaloa

- Developed web interfaces and supported internal digital projects during early-career placement, establishing foundational full-stack skills.

SELECTED PROJECTS

- Pigui.ai (pigui.ai) — Backend engineer using FastAPI; integrated AI-driven features to power loyalty programs for restaurants and retail stores.
- Research Assistant CLI — Python, Anthropic SDK: tool-use agent built from scratch (no framework) with web search, a safe calculator, and date-handling tools.

EDUCATION

Engineer in Computer Science — Universidad Politécnica de Sinaloa, 2014 – 2018, Mazatlán, Sinaloa

CERTIFICATIONS

Anthropic: Claude 101 · Claude with the Anthropic API · Claude Code 101 · Claude Code in Action · Introduction to Agent Skills · Introduction to Model Context Protocol · Introduction to Claude Cowork