Emilio Bogantes

Forward Deployed AI & Solutions Architect

Heredia, Costa Rica · Open to relocation · Works on US time zones
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I · PROFILE

Hands-on builder and customer-facing architect with 15+ years. Ship production AI, including multi-agent pipelines, and regulated SaaS platforms inside client environments; turn ambiguous problems into working systems and explain the trade-offs to executives. Bilingual, on US time zones.

II · SELECTED RESULTS

- **2 weeks to minutes for forensic report preparation:** a multi-agent AI pipeline over 13,000+ scanned case files, every result human-verified.
- **15 WordPress sites in 3–4 days:** content-domain workstream of a migration for a US insurer (~35,000 daily users per site), with AI-assisted automation.
- **~80% lower cloud costs and delivery cut from 4 weeks to 1** at Soom, a regulated SaaS platform.
- **4–6 weeks to 1–3 days customer onboarding** at Soom, with ~80% of manual operations automated.
- **Production AI assistant with human handoff** for a construction-materials and logistics client: product information, pricing, quotes, and order and shipping status.

III · EXPERIENCE

Self-employed

Aug 2026 – Present
Remote

Independent AI & Architecture Consultant

- Built a multi-agent AI pipeline for a legal firm (under NDA) over 13,000+ scanned case files, cutting forensic report preparation from 2 weeks to minutes, every result human-verified (Aug–Sep 2026).
- Assessed a disaster-response marketplace for Algoworks (Oct 2026) across architecture, code quality, security, maintainability and AI integrations; built an assessment portal and presented hardening recommendations, by severity and business impact, to technical and executive stakeholders.

Ignite Visibility

Mar 2026 – Jul 2026
San Diego, CA · Remote

Solutions Architect III

- Promoted for sustained enterprise delivery and cross-account influence; advised client accounts as senior architect on architecture governance, modernization decisions and reusable patterns shared across teams.

Jan 2024 – Mar 2026
San Diego, CA · Remote

Solutions Architect II

- Led the content-domain workstream of a 15-site WordPress migration for a US insurer (~35,000 daily users per site), completed in 3–4 days with AI-assisted automation and validated by people.
- Built a custom Contentful application so content authors publish without developer-triggered deployments, from researching the problem and a proof of concept with the client to an approved demo.
- Defined modernization roadmaps and aligned architecture with CI/CD and operational readiness alongside DevOps and product teams.

Pangea Holdings

AI, cybersecurity and digital transformation firm

Mar 2023 – Jul 2026
Costa Rica · Remote

Co-Founder & Chief Technology Officer

- Built a production customer-facing AI assistant for a construction-materials and logistics client, covering product information, pricing, quotes, and order and shipping status, with human handoff.
- Built a distributed delivery organization across Costa Rica, the US, Mexico, Colombia and Brazil.
- Directed enterprise integrations with Oracle, SAP, Salesforce, HubSpot and Zoho.

Shrine Development

Fortune 100 healthcare loyalty platform, regulated and high-reliability

Aug 2023 – Jan 2024
Remote

Senior Engineering Lead & Consultant

- Led backend and integration workstreams across multiple delivery pods; drove release readiness, architecture decisions and sequencing, mentored engineers and governed SOW execution.

Soom Inc.

Regulated SaaS: electronic Instructions for Use for medical-device manufacturers (FDA, EU MDR)

Mar 2022 – Nov 2023
Greater Boston · Remote

Director of Engineering

- Led a five-month consolidation of per-customer infrastructure into one multi-tenant platform.
- Cut cloud infrastructure costs ~80% and the delivery cycle from 4 weeks to 1, making delivery 4× faster.
- Automated ~80% of manual operations; customer onboarding went from 4–6 weeks to 1–3 days.
- Grew engineering 50% without losing predictability, leading up to 24 people.

Edify Software Consulting

Jun 2021 – Mar 2022
Costa Rica · Remote

Software Architect & Technical Lead

- Led architecture across parallel EdTech engagements, including Great Minds assessments engineering; set delivery guardrails and code-review and integration standards, and mentored tech leads and engineers.

Earlier experience

Jun 2017 – Jun 2021
Heredia, Costa Rica · Hybrid

Technology Lead, Hangar Worldwide (Omnicom / Critical Mass): Nissan customer-experience platform.

Jul 2014 – Jun 2017

Web Developer, Baum Digital Marketing.

Dec 2011 – Mar 2022

Freelance Software Engineer & Technology Consultant, alongside employed roles.

Feb 2011 – Dec 2011

Jr. Information Systems Engineer, SEPUNA, Universidad Nacional.

IV · TECHNICAL SKILLS

AI/LLM: Claude and OpenAI APIs, AWS Bedrock, LangChain, LangGraph, Langfuse, multi-agent pipelines, evaluation, human-in-the-loop

Languages & frameworks: TypeScript, JavaScript, Python, Node.js, Next.js, React, FastAPI, PHP, Laravel

Data: SQL, PostgreSQL, DynamoDB, Prisma, Neo4j, Redis

Cloud & DevOps: AWS, Azure, GCP, Terraform, Docker, CI/CD

V · EDUCATION & CREDENTIALS

Expected 2027

MBA in Artificial Intelligence, University of Cumbria, through Robert Kennedy College (in progress).

2015

B.S. in Information Systems Engineering, Universidad Nacional, Costa Rica.

2023

Chief Technology Officer Professional Certificate, MIT Professional Education.

Software Architecture: Principles and Practices, Carnegie Mellon University SEI.

AWS Certified Cloud Practitioner · Contentful Certified Professional

VI · TEACHING & COMMUNITY

Jun 2025 – Present

Learning Facilitator, Applied Generative AI & Agentic AI, MIT Professional Education.

Mar 2023 – Present

Ad honorem instructor, Universidad Nacional: AWS, AI and software engineering courses and workshops.

VII · LANGUAGES

English (C2) · Spanish (native)