

EMILIO THOMAS

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SUMMARY

Full-stack engineer who ships production systems end to end: cross-platform mobile and web apps, cloud infrastructure and CI/CD, and statistical models I build, backtest, and run live. Recently led delivery at an AI consulting firm across e-sports, real estate, and healthcare clients. Python, TypeScript/React, Kotlin, Flutter, and certified Salesforce development. Bilingual in English and Spanish.

SELECTED PROJECTS

Personal Finance Application (in development) | Flutter, FastAPI, PostgreSQL

- Three-stage tax deduction engine: deterministic rules, then user-defined rules, then LLM evaluation via the Anthropic Batch API for the cases the first two can't settle.
- Twilio SMS rules system, dual-method tax calculators, conversational onboarding, and an Alembic-migrated schema with separated development and disposable test databases.

Applied Forecasting Systems | Python, statsmodels, LightGBM, DuckDB, FastAPI + React

- Two sports forecasting models built on pre-registered, leakage-proof backtesting against frozen holdouts, including shipping nothing twice: once when a LightGBM challenger lost to the Poisson GLM baseline, once when a three-arm feature test returned a full null.
- One runs unattended on a daily scheduler behind a ~1,900-test suite and publishes a settled public record, misses included. The other simulates brackets by Monte Carlo, and rated both eventual 2026 World Cup finalists above market consensus in semifinals the books read the other way.

EXPERIENCE

Technical Lead

Brainium, AI Consulting (Independent Contractor) | Mar 2026 – Jun 2026

- Led delivery across the firm's client accounts (e-sports, real estate, healthcare diagnostics, restaurant groups), coordinating ~5 operators and developing hands-on.
- Built a cross-platform gameplay recorder capturing screen video and player input to train AI game agents: Chrome extension and Kotlin/Jetpack Compose Android app from scratch, on an AWS S3 pipeline with Cognito auth and multipart uploads for reliable large-file transfer over mobile.
- Built an internal React 19/TypeScript tool making 2,000+ process-framework elements navigable across five hierarchy levels, with fuzzy search and PDF/HTML/CSV export; used to audit client operations and scope consulting work.

Software Developer

MH2X, Events Technology (Contract) | Oct 2025 – Present

- Migrated the client's production conference app off a proprietary AI app-builder platform onto self-hosted infrastructure (Render + Neon Postgres), delivered as a reusable eight-section playbook: the playbook was the product, the live app the proof case.
- Built the four-environment pipeline behind it: dev/QA/stage/prod on branch-per-environment Git with Neon database branching, GitHub Actions build CI, enforced branch protection, and a documented schema-promotion convention.
- Earlier in the engagement, replaced an ad lifecycle process carrying a 24-hour data lag with a subflow-driven Salesforce event architecture, backed by Flows, scheduled Batch Apex, and bulk-data Apex test classes.

Salesforce Developer Intern

TechnoValue | May 2025 – Sep 2025

- Built a dual-portal Experience Cloud site with profile-based routing: separate customer and freelancer portals, each with its own UX flow.
- Developed 15+ custom LWC components wired to Apex controllers: dynamic calendars, task dashboards, and time tracking with start/pause/resume and real-time status updates.

Founder & Full-Stack Developer

Z-Theory Labs | Sep 2022 – Aug 2024

- Ran a digital services company end to end, from sales cycle through design, development, deployment, and support, for real estate, roofing, e-commerce, and pool service clients.

SKILLS

Languages & Frameworks: Python, TypeScript, JavaScript, Kotlin, Dart/Flutter, React, Node.js, Express, FastAPI, HTML/CSS

Data & Modeling: statsmodels, LightGBM, pandas, DuckDB/Parquet, Poisson GLM, Monte Carlo simulation, backtesting and calibration

Infrastructure & Tools: Git/GitHub, GitHub Actions, AWS (S3, Cognito, IAM), Render, PostgreSQL/Neon, Alembic, REST APIs, Tailwind CSS, Zustand, Vite

AI & Salesforce: LLM API integration (Anthropic Batch API), AI-assisted development workflows · Apex, LWC, SOQL, Batch Apex, Flows, Experience Cloud

CERTIFICATIONS & EDUCATION

Salesforce Platform Developer I · Salesforce JavaScript Developer I · Salesforce Platform Foundations (all 2025)

UT Austin, Full Stack Web Development, 2022 · Caltech, Blockchain Development, 2023