

JOSE RAUL SORIANO CAZABAL

| raulcazabal@icloud.com | [Linkedin](#) | [Github](#) | [Portfolio](#)

EDUCATION

Benemerita Universidad Autonoma de Puebla (BUAP)

Puebla City, Mexico

Major: Information Technology Engineering

Expected Graduation date: May 2027

- **Relevant Courses:** Relevant Courses: Databases, Operating Systems, Software Engineering, Algorithms, Data Structures, Web Development, OOP, Programming, Computer Networks, Calculus, Linear Algebra

SKILLS

- **Programming languages:** TypeScript/JavaScript (advanced), Python, Go, Swift, SQL (intermediate), PHP (basic).
- **Web development:** React, Next.js (App Router, SSR/SSG), Astro, Angular, HTML/CSS, Tailwind CSS, REST API, GraphQL.
- **Mobile development:** SwiftUI, MapKit, CoreLocation, CloudKit, WidgetKit, Sign in with Apple, React Native (Expo).
- **Backend development:** Django REST Framework, FastAPI, Node.js, NestJS, Express.js, Go (Gin), Celery, PostgreSQL, MongoDB/DocumentDB, Redis, API development, authentication (JWT, OAuth2, Auth.js), serverless architecture.
- **Cloud & Infrastructure:** Terraform (IaC, multi-environment modular setups), AWS (VPC, ECS Fargate, ALB, RDS, DocumentDB, S3, Lambda, API Gateway, Secrets Manager, ECR, IAM, CloudWatch), Docker, CI/CD (GitHub Actions), Vercel, Render, Neon, cloud deployment and scalability
- **Payments & Integrations:** Stripe (checkout, webhooks, customer portal), OAuth (Google/GitHub), MercadoLibre API, Brave Search API.
- **Software and tools:** Figma, Git, VS Code, Xcode, Jira, Asana, Bash, Linux, Unix, Sentry, Sonar.

CERTIFICATIONS

- Oracle Next Education (ONE) — Alura Latam × Oracle · Programming Principles (2023)
- Diploma in Digital Transformation — Santander Universities (2024)
- Extracurricular course in Artificial Intelligence and Art — BUAP (2024)

EXPERIENCE

Cardic Automotriz: *Role: Full-Stack / Cloud developer*

May 2025- April 2026

- Designed and maintained production AWS infrastructure as code with Terraform (VPC, ECS Fargate, ALB, RDS PostgreSQL, DocumentDB, API Gateway, Lambda, Secrets Manager) for a modular enterprise ERP (POS, HR, analytics, and accounting).
- Deployed a microservices architecture with Docker: 7+ containerized services on ECS Fargate, with path-based routing and HTTPS.
- Centralized secrets management (AWS Secrets Manager), IAM roles, and security groups across multi-service ECS workloads.
- Set up per-service CI/CD pipelines (GitHub Actions) for image builds, ECR pushes, and ECS deployments — cutting release time from manual processes to minutes.
- Built and maintained a custom ERP with Django REST Framework, React, and Astro, with centralized authentication and roles shared between the ERP and the e-commerce platform.
- Automated internal processes with Python (reporting, customer tracking, data syncing), cutting repetitive manual work by ~80%.
- Worked under Agile methodology (Scrum/Kanban) with Jira across full development cycles.
- Integrated third-party services via RESTful APIs, ensuring a scalable backend infrastructure.

Huitzillín Unmanned VTOL Aircraft

December 2024 - January 2026

Role: Brand Designer, Web Developer & Ground Station Contributor

- Conceptualized the project's brand identity (typography, color palette, cohesive visual messaging), a key asset in securing partnerships with companies at FAMEX.
- Designed and launched the project website in React, featuring interactive 3D aircraft models and technical documentation aligned with industry compliance standards.
- Researched components and developed a Mission Planner-style interface for real-time UAV control, using PX4 and MAVLink.
- Collaborated with aerospace engineers to integrate UAV systems, ensuring smooth data transmission across the control and mission-planning software — resulting in successful flight launches.

PROJECTS

Hardware Inspector

Role: Full Stack Developer

- Designed and shipped a SaaS platform for diagnosing and valuing refurbished laptops for the resale market in Mexico: monorepo architecture with a native agent in Go (macOS, Linux, Windows), a FastAPI backend in Clean Architecture (domain / application / infrastructure / presentation), and a Next.js 16 / React 19 frontend. Diagnostics run offline over the local network via mDNS, with internet only required for account, payments, and history.
- Built a scoring and valuation engine in Mexican pesos driven by declarative YAML rules, OAuth authentication (Google/GitHub) via Auth.js, service-to-service security with signed tokens and per-user HMAC assertions, price comparison against MercadoLibre, PDF report export (WeasyPrint + Jinja2), and end-to-end Stripe Pro subscriptions (checkout, webhooks, customer portal). Deployed entirely on free-tier infrastructure (Vercel, Render, Neon Postgres) with GitHub Actions CI covering backend, frontend, and the cross-platform agent.
- Technologies:** Go, FastAPI, Next.js, React, TypeScript, Stripe, PostgreSQL, Neon, Auth.js, Docker, Vercel, Render, GitHub Actions.

Meta Glass Real-Time Accessibility Assistant

Role: Computer Vision Developer

- Designed MyEyesTalk to restore agency rather than replace senses: it translates the point of view from Ray-Ban Meta Gen 2 glasses (no display) into egocentric spatial narration, decisions, and voice-guided actions in Mexican Spanish. A cognitive loop runs on the phone, using the glasses solely as camera, microphone, and speaker.
- Built the full pipeline: push-to-talk captures voice and a POV frame → transcription (AssemblyAI) → a RAG engine that learns the environment and avoids re-analyzing known locations → AI vision (Claude / GPT-4o mini) that returns structured scene and product data → a decision agent (Hermes) that maintains a shopping list, suggests brand alternatives, and remembers preferences → voice synthesis (ElevenLabs) back to the glasses. Demonstrated in a real supermarket shopping flow.
- Engineered a lightweight on-device computer vision layer (Python, OpenCV, YOLO) for latency-critical navigation tasks — such as reading traffic lights for safe crossing and identifying supermarket sections — avoiding dependence on cloud inference for these paths. Solved the Meta Glass's 1 FPS hardware transmission limit with a data-chunking strategy that fed the YOLO model 2+ FPS, enabling accurate real-time object recognition with automated voice guidance.
- Technologies:** Swift, iOS, Python, OpenCV, YOLO, Cloudflare Workers, Claude, GPT-4o, AssemblyAI, ElevenLabs, RAG.

Tu Futuro - Hackathon Winner

Role: IOS Developer

- Contributed to Tu Futuro, a React Native/Expo mobile app with a complete onboarding, login, profile form, and dashboard flow, built under hackathon time constraints. Built reusable components, tab navigation, and a consistent color/typography system (cards, shadows, Ionicons iconography) designed for rapid iteration during the event.
- The project won Hack Puebla, competing with a product-ready screen structure (Home, Login, Form, Dashboard) on a fully typed TypeScript codebase.
- Technologies:** React Native, Expo, TypeScript.

AgroDigital

Role: Full Stack Developer

- Led development of AgroDigital, a smart financial inclusion platform for Mexico's agricultural sector, built to streamline operations for rural cooperatives, ensure secure payments, and enable smart financing even in low-connectivity areas.
- Implemented a secure cloud data storage solution, cutting data leaks by 100%, while building out the complete UX/UI; delivered the prototype on schedule.
- Technologies:** React Native (Expo SDK), TypeScript, AWS Amplify, AWS Cognito, AWS S3, serverless architecture, REST API, Expo Router, Expo libraries (location, media, secure storage), Git.

P.P Website

Role: Web developer

- Built and deployed a technical portfolio using Next.js 16 and TypeScript (SSG, App Router), featuring a project catalog, experience timeline, PDF certificate viewer, and a responsive "About Me" section. Integrated the GitHub API, implemented SEO best practices (metadata, JSON-LD, sitemap), and configured security headers (CSP, HSTS) with deployment on Vercel via GitHub Actions CI.
- Technologies:** Next.js, React, TypeScript, Tailwind CSS, Motion, GSAP, Three.js, API Routes, JSON-LD, Vercel, GitHub Actions, Git

Space Personal

Role: Web developer

- Built a personal site in Next.js 16 and React 19 to document my journey in MDX format (memories, travel, events, and projects), featuring a JWT-protected private area that hides routes without a valid access cookie and an interactive chat over the site's content; includes a script that automatically syncs portfolio projects as blog content.
- Technologies:** Next.js 16, React 19, TypeScript, Tailwind CSS v4, shadcn/ui, MDX, JWT (jose).