# JOSÉ HORACIO AHUACTZIN GARCÍA

Puebla, Mexico · LinkedIn · GitHub · Portfolio · jhoracio19@hotmail.com

## PROFESSIONAL SUMMARY

Information Technology Engineering student at BUAP, with expected graduation in 2027 and experience developing full-stack and cloud applications with Python, JavaScript, TypeScript, React, Next.js, FastAPI, and Django. Experience with REST APIs, relational and NoSQL databases, cloud services, application security, and AI agents. Hackathon award winner, including second place in the Capital One track at HackMTY 2026.

## PROFESSIONAL EXPERIENCE

**Socialler - Frontend Developer | Remote | Apr 2026 - Oct 2026**

- Built a production web platform from the ground up using **Next.js 14, TypeScript, Server Actions, Zustand, React Query, and Zod.**
- Reduced the application bundle size by approximately **600 KB** through Three.js lazy loading and dependency optimization.
- Implemented security controls including **CSP, HSTS, XSS mitigation, and path traversal protection** for AWS S3 integrations.
- Developed complex authentication and registration workflows with **React Hook Form and Zod.**

**Basil Soluciones - Frontend Web Developer | Jan 2025 - Feb 2026**

- Contributed to the development and improvement of corporate web platforms, implementing features and interface enhancements.
- Resolved production bugs and optimized navigation, supporting the maintenance and continued evolution of web applications.

## SELECTED PROJECTS

**Stackly - Financial Resilience Simulator for SMEs**

*HackMTY - 2nd Place, Capital One Track | Monterrey, Mexico | Sep 2026*

- Helped shape the solution and developed the frontend of a financial resilience simulator in **36 hours**, earning **2nd place in the Capital One track.**
- Contributed to simulations of hiring, new projects, inventory purchases, and credit issuance, translating operational decisions into projected cash-flow effects.
- Collaborated on a platform for daily, traceable cash-flow simulations using **Python/NumPy, Go, and PostgreSQL/TimescaleDB**; the system withholds projections when more than **20%** of the required financial profile is unknown.

**Industry Hack Tec - 3rd Place Among 25 Teams**

*ITESM / ASQ / IISE | Puebla, Mexico | Aug 2026*

- Earned **3rd place among 25 teams** with a technological and operational solution for a reusable-packaging challenge with a **€100 million investment budget.**
- Developed a **quantitative model** of packaging circulation, cost per trip, environmental break-even, and sensitivity, projecting **€6.3 million in annual savings and 56% lower CO2 emissions per trip** at 40% conversion.
- Built an **offline-capable PWA in under 30 hours** with Next.js, Expo, and TypeScript: **26 screens for 4 user roles** covering asset tracking, logistics, retailer operations, and rewards.

**ClientOps - AI-Powered Client Management Platform**

*AllThingsAgentic Hackathon | Sep 2026*

- Developed an **AI-powered client management platform** using **Python, FastAPI, Gemini, and Google Cloud**, integrating CRM and project-management workflows with autonomous AI agents.
- Designed an **agent architecture** with Google GenAI SDK/ADK and **Firestore**, implementing persistent project memory, an agent registry, and AI-assisted client-requirement analysis.
- Deployed the asynchronous backend on **Google Cloud Run** with Pydantic V2 for strict data validation and **Cloud Logging/OpenTelemetry** for agent observability and tracing.

**Cafeztin - AI-Powered Marketplace**

*Por Amor a Puebla Hackathon | Puebla, Mexico | May 2026*

- Developed a **WhatsApp assistant and AI marketplace prototype** using Gemini 2.5 Vision for a use case targeting approximately **40,000 coffee-farming families** in Sierra Norte de Puebla.
- Delivered a functional prototype in **36 hours**, integrating conversational AI and image understanding into a real-world agricultural use case.

## EDUCATION

**Benemérita Universidad Autónoma de Puebla (BUAP)** | Puebla, Mexico
**Information Technology Engineering** | Expected graduation: Aug 2027

## TECHNICAL SKILLS

**Programming:** Python, JavaScript, TypeScript, SQL, PHP, HTML/CSS
**Frameworks & Libraries:** FastAPI, React, Next.js, Angular, Django, Pydantic, Tailwind CSS, Bootstrap
**Cloud & Tools:** Google Cloud Platform, Cloud Run, Firestore, REST APIs, Git, GitHub, Docker, AWS S3, Linux/Unix
**AI:** Gemini API, Google GenAI SDK/ADK, AI agent workflows, AI-assisted software development
**Languages:** Spanish (native), English (basic)