

# Cesar Gonzalez Anaya

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## Summary

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Software Engineer focused on building high-performance applications with seamless UI/UX. Specialized in backend development, cybersecurity, and networking with a passion for clean code and scalable architectures.

## Experience

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**Backend Developer**, Mobilender – México Mar 2026 – present

- Leading the backend development of 'Accounting Book', a multi-credit management platform.
- Optimized automated payment control and real-time tracking of financial transactions.
- Technologies: Django, Python (PEP8), RabbitMQ, Docker, and specialized Scripts.

**Software Engineer Intern**, SAFe Value – México May 2025 – Nov 2025

- Contributed to web and mobile applications focusing on scalable components and performance.
- Implemented Agile methodologies (Scrum/Kanban) to ensure robust software delivery.
- Technologies: React Native, TypeScript, Tailwind CSS, and Firebase.

## Education

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**CUCEI - Universidad de Guadalajara**, BS in Computer Engineering – México Jan 2022 – May 2026

## Projects

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**CaesarCode - Red Dragon Configuration** 2026

- Automated configuration script for high-performance Linux environments.
- Integrated Zsh, Powerlevel10k, and modern CLI utilities (LSD, Bat, Bottom).
- Technologies: Shell scripting, VS Code automation.

**Sequence - Godot Multiplayer Engine** 2026

- Production-ready board game engine with authoritative server-side networking in Godot 4.
- Implemented RPC synchronization for state integrity and move validation.
- Technologies: GDScript, Godot Engine, ENet.

**QR Code Generator** 2025

- QR code generator with Flask backend and web frontend.
- REST API for dynamic generation with customizable size and border.
- Technologies: Python, JavaScript, HTML5, CSS3.

**COCOMO Calculator** 2025

- Interactive calculator for estimating effort, time, and team size in software projects.
- COCOMO II model with project modes and dynamic attributes.
- Technologies: JavaScript, HTML5, CSS3.

- ASTRA Compiler** 2025
- Full compiler front-end with lexical, syntactic, and semantic analysis.
  - AST optimization engine and hybrid memory management with LRU persistence.
  - Technologies: Python.
- Enigma-ESP32** 2025
- Enigma M3 cipher implementation on ESP32 with Bluetooth and Wi-Fi communication.
  - Technologies: C++, ESP32, Bluetooth Classic.
- BergamotaRoutes - TechConnect** 2024
- Route optimization and real-time tracking platform for logistics.
  - Driver dashboard, live administration, and package tracking.
  - Technologies: TypeScript, Next.js, Tailwind CSS, Node.js.
- CaesarCode - Old Portfolio** 2024
- First personal portfolio built from scratch with vanilla web technologies.
  - 404 page with Google's T-Rex interactive game as an easter egg.
  - Built with: HTML5, CSS3, JavaScript, Particles.js.

## Skills

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**Programming:** Python, TypeScript, JavaScript, C++, C, GDScript.

**Frontend:** React, Astro, Next.js, Tailwind CSS, HTML5, CSS3.

**Backend & Tools:** Django, Express.js, Node.js, Firebase, RabbitMQ, Docker, Git, Linux (Zsh/Bash).

**Security & DevOps:** Kali Linux, GitHub, Vercel, Postman, Shell Scripting, Proxmox, Pi-hole, Home Assistant, Homepage, Homarr.

## Languages

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**Languages:** Inglés, Español