

FRANCIS EMIL M. CORTEZ

AI Engineer | Software Engineer

Philippines | francisemil.cortez@gmail.com | +63 9928375470

linkedin.com/in/francisemilcortez | github.com/franciscortez | francisemilcortez.vercel.app

PROFESSIONAL SUMMARY

Software Engineer building AI features and full-stack applications with Next.js, TypeScript, Node.js, and Supabase. Delivered RoBERTa-based sentiment analysis and AI-generated financial insights, alongside production features, RESTful APIs, and third-party integrations. Designs AI-assisted development workflows in Claude Code, Codex, and MCP, using custom hooks, reusable skills, and guardrails that block unsafe operations.

WORK EXPERIENCE

Software Engineer - Full Time

July 2026 - Present

Leveric Pty Ltd

Victoria, Australia (Remote)

- Develop production-ready application features using Next.js, TypeScript, and Supabase, enabling reliable user workflows and consistent access to real-time application data.
- Architect database schemas, authentication flows, backend functions, and API integrations in Supabase, improving data organization, application security, and frontend-to-backend communication.
- Engineer AI-assisted development workflows that improve development efficiency and reduce the risk of unsafe operations by configuring Codex and Claude Code with custom hooks, reusable skills, and guardrails that block destructive commands.

Full Stack Developer - Contract

May 2026 - July 2026

SATEZO OPC

Pampanga, Philippines

- Built responsive full-stack application features using Next.js, React, Node.js, and REST APIs, delivering functional user experiences aligned with business requirements.
- Implemented backend services, API endpoints, and data-handling workflows, enabling efficient communication between application interfaces, databases, and third-party services.
- Diagnosed and resolved frontend and backend issues while enhancing existing code, improving application stability, maintainability, and feature reliability.

Backend Developer Intern

February 2026 - April 2026

Nola Web Solutions

Pampanga, Philippines

- Engineered RESTful APIs and Laravel-MySQL backend workflows for internal operations and client-facing applications, streamlining data processing and supporting reliable system functionality.
- Integrated GoHighLevel with PayMongo for checkout creation, payment verification, webhook processing, and transaction synchronization, enabling automated and accurate payment workflows.

PROJECTS

Twitch Insights | *React, Tailwind CSS, Flask, MongoDB, RoBERTa NLP*

- Created a live Twitch chat sentiment analysis platform that processes real-time messages and presents audience insights through dashboards, charts, reports, and word clouds.

Gentlemen's Quarters | *React, Express.js, Tailwind CSS, TypeScript, PostgreSQL, Drizzle ORM, PayMongo*

- Engineered a full-stack barbershop booking and service catalog platform with secure online downpayments, account-free scheduling, and self-service rescheduling through protected email links.

Penny Wings | *TypeScript, React, Tailwind CSS, Supabase, TanStack Query*

- Developed a finance management platform with user authentication, budget monitoring, transaction management, financial analytics, and AI-assisted insights to support personal finance tracking.

NOLA PayMongo | *Laravel, Tailwind CSS, MySQL, PayMongo, GoHighLevel*

- Built a Laravel payment integration connecting GoHighLevel to PayMongo that covers the full payment lifecycle from checkout to refunds, using real-time webhooks to keep transaction records in sync across both platforms.

Personal Portfolio | *Next.js, Tailwind CSS*

- Developed a responsive professional portfolio website that highlights selected projects, technical skills, and work experience, while providing an organized overview of professional background.

TECHNICAL SKILLS

- **Languages:** TypeScript, JavaScript, PHP, SQL, Python
- **Frontend:** React, Next.js, Tailwind CSS
- **Backend:** Laravel, Express.js, Node.js, Flask
- **Databases:** MySQL, MongoDB, PostgreSQL, Firebase, Supabase, Neon
- **AI & LLM Tools:** Claude Code, Codex, MCP, RoBERTa (NLP)
- **Automation & Integrations:** n8n, GoHighLevel, Webhooks, OAuth 2.0, Third-Party Integrations, Google Apps Script
- **Tools & Platforms:** Docker, Git, GitHub, Hostinger, Google Cloud Platform (GCP), Linear, Slack

CERTIFICATIONS

- Claude 101
- Claude Code 101
- Claude Platform 101
- Cloud Computing Fundamentals
- JavaScript Essentials 1
- Introduction to IoT and Digital Transformation
- Technical Support Fundamentals

EDUCATION

Bachelor of Science in Information Technology

2022 - 2026

Pampanga State University (former Don Honorio Ventura State University)

Magna Cum Laude