

CARLOS ANAYA RUIZ

COMPUTER TECHNOLOGIES ENGINEER

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Computer Technologies Engineer with over 4 years of experience in project management and software solution development. PMP-certified and specialized in Agile methodologies (Scrum), I focus on leading multidisciplinary teams to deliver scalable, user-centric products while optimizing processes and aligning technology with business objectives.

PROFESSIONAL EXPERIENCE

Food Solution Manager - Unilever

November 2023 - April 2025

- Optimized logistics processes through data analytics using Python (Pandas, Scikit-learn) for ETL and predictive models of demand and inventory.
- Developed a Business Intelligence system in Power BI with relational data models (star schema) and complex DAX queries, integrating data sources via SQL and REST APIs to support expansion into three new channels.
- Led commercial projects as Product Owner within an Agile-Scrum framework, managing the backlog and Sprints in Jira to accelerate time-to-market.
- Supervised the technical implementation of traceability systems to meet regulatory standards (HACCP, ISO 22000), improving supply chain integrity.

PMP – Master Loyalty Group

September 2022 – August 2023

- Managed five B2B software projects (up to \$50,000 USD) applying the PMBOK (PMP) framework for planning (WBS, Risk Register), execution, and control using MS Project and EVM techniques.
- Led development teams (.NET Core, Angular, RxJS) and QA teams (Selenium), fostering collaboration and coordinating automated testing strategies.
- Implemented Power BI dashboards with DirectQuery connections to Azure DevOps and SQL Server, leveraging DAX to visualize key metrics such as burn-down rates and team velocity.

IT Manager - Wan Hai Lines

February 2021 - August 2022

- Directed the integration of EDI systems (ANSI X12) with SAP S/4HANA by mapping transactions to IDocs, automating and optimizing the supply chain workflow.
- Built CI/CD pipelines with Jenkinsfiles (Groovy) to automate the lifecycle of .NET applications, improving deployment stability and frequency.
- Administered network infrastructure with Cisco Catalyst switches (VLANs, ACLs) and UniFi Controller, optimizing wireless coverage and performance.
- Managed perimeter security with FortiGate firewalls, configuring IPsec VPNs and intrusion prevention policies (IPS) to safeguard network assets.

PERSONAL & FREELANCE PROJECTS

Creator & Lead Developer – NORA AI | Personal Project | 2024 – Present

- Architected and developed NORA AI from the ground up, a multi-platform AI assistant (Web, iOS, Android, macOS, Windows) built on a modern stack with Next.js for the frontend and Firebase (Firestore, Functions) for a scalable serverless backend.
- Orchestrated LLM integration, designing a dynamic prompt system and context management to maximize the relevance and coherence of generated responses.
- Designed and implemented a robust authentication system with Firebase Auth (JWT) and architected the NoSQL database schema in Firestore for real-time persistence and synchronization.
- Developed the application core, including an API for image/video generation and a system of webhooks and serverless functions to securely process payments using the Stripe API.

Full-Stack Consultant & Developer | Freelance Projects | 2022 – Present

- Built end-to-end web solutions, implementing RESTful APIs (ASP.NET Core, FastAPI) and dynamic UIs.
- Managed databases and deployed solutions in cloud environments (Azure, AWS).

EDUCATION

B.S. in Computer Technologies Engineering

Tecnológico de Monterrey, School of Engineering | 2019 – 2023 | Mexico City, Mexico

Specialization in Advanced Artificial Intelligence for Data Science

Tecnológico de Monterrey, School of Engineering | 2023 – 2024 | Mexico City, Mexico

TECHNICAL SKILLS

Languages & Backend: Python · Go · Rust · C#/.NET · Java · TypeScript | Node.js · Django · FastAPI
Frontend & Mobile: React · Next.js · Angular · Vue.js · Svelte | Swift (UIKit) · Kotlin (Jetpack)
Databases & Data: PostgreSQL · MongoDB · MySQL · Redis · GraphQL | Power BI · DAX · Pandas · ETL
Cloud & DevOps: AWS · Azure · GCP · Firebase | Docker · Kubernetes · Terraform · Jenkins · Git · CI/CD
AI & Machine Learning: TensorFlow · PyTorch · Scikit-learn · Keras · LLM Integration (GPT, Gemini)
Project Management & Methodologies: Jira · Confluence · MS Project · Asana | Scrum · Kanban · PMBOK

LANGUAGES

Spanish: Native (C2) | English: Professional Proficiency (C1) | French: Beginner (A2)

CERTIFICATIONS

Link to certificates:

https://drive.google.com/drive/folders/1wanG6pMmlllwEir_5bZv4bbMYOQlXuHz?usp=sharing