

OWEN DANIEL MENDOZA CRUZ

Strategic Operations Lead | Software Engineer | AI/ML & Systems Infrastructure
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PROFESSIONAL PROFILE

Proactive Software Engineer specializing in AI/ML and Systems Optimization, with a strong focus on applying First Principles thinking to deconstruct operational chaos into scalable, high-performance systems. Leverages Prompt Engineering and custom software development as a cognitive extension to automate workflows and solve complex bottlenecks faster than traditional logic allows, contributing to platform and product feature development.

TECHNICAL SKILLS

Languages & Tools: Python (Scripting & Automation), Bash/Shell, Git/GitHub.
Systems Engineering: Custom Linux/Android Kernel compilation, hardware optimization, advanced system administration via Terminal (Termux).
Artificial Intelligence: Advanced Prompt Engineering, LLM integration, algorithmic pattern recognition.
UX: User experience considerations in system design.

TECHNICAL PROJECTS

Android Kernel Optimization & Security Research

Situation: Standard mobile OS lacked low-level optimizations for advanced security research.

Task: Customize the system architecture of a Xiaomi Redmi Note 12S to support the NetHunter suite.

Action: Executed a full Linux Kernel compilation from source, utilizing Python scripts for automation and managing system dependencies via Terminal, contributing to a secure and optimized environment.

Result: Deployed a high-performance custom environment, demonstrating resilience in solving low-level engineering conflicts and enhancing system security.

AI-Powered Route Optimization

Situation: Inefficient traffic patterns were causing delivery delays.

Task: Design a model to identify non-obvious bottlenecks and improve user experience.

Action: Developed a dynamic routing model using AI tools to process raw logistical data, integrating UX considerations for improved delivery flow.

Result: Achieved a 30% reduction in cycle times, proving that algorithmic logic outperforms intuition and enhancing overall operational efficiency.

PROFESSIONAL EXPERIENCE

Logistics Systems Coordinator, EK LOGISTICS, Edo. México — December 2023 - November 2024

Situation: The company required a 160% fleet expansion (from 3 to 8 units) during a hyper-growth phase.

Action: Implemented data-driven planning and mastered the Scpack platform to monitor hidden KPIs, collaborating with cross-functional teams to ensure seamless integration and operational continuity.

Result: Successfully scaled operations while reducing average delivery times by 30% with 100% service fulfillment, contributing to enhanced user satisfaction and operational excellence.

Courses: #growthwhitgoogle

Google People Management Essentials: Specialization in high-performing teams (Google Certified).

Introduction to AI: Foundational training in AI principles (Google Certified).

Google Career Certificates: Data & Tech Specialization