Rafael Molina

Backend Developer

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Education

Universidad Central de Venezuela, Caracas - Electrical engineering

3 Years

Professional Experience

Yummy Rides, Wink, Remote - Sr Backend Developer

July 2023-Present

- Led Yuri Ai Chatbot assistant project (Production: https://t.co/dezycQYFmd) to request a driver through WhatsApp as a user acquisition method using Typescript, Node.js and AWS, bringing more than 2000 new users to the Yummy Rides platform.
- Build WinkGPT Chatbot to order food or buy products from a store or restaurant using WhatsApp and LLM models, incrementing by 133% the amount of successful orders since its launch in April 2024.
- Setup Meta App to use the WhatsApp cloud API with Yuri Ai Chatbot and WinkGPT, eliminating business expenses related to third services like Twilio.
- Designed and deployed WhatsApp Flows for Yuri and WinkGPT to improve customer experience and reduce time to request a trip by 60% and to order food by 50%.
- Implemented a robust infrastructure with an agentic approach, using tools like Langchain and Redis for prompt management and caching. This improved the efficiency and performance of the LLMs in Yuri and WinkGPT, facilitating the implementation of techniques such as Few-Shot Prompting and Prompt Chaining.
- Added Knowledge base to add specific FAQ context to the main assistant with StackAi allowing users to inquire about up to 40 different questions.
- Developed an LLM manager using Langchain and postgres that allows for easy switching between different providers and models, such as OpenAI, Amazon Bedrock, Anthropic, optimizing performance and costs and allowing to make changes if a new model is on the market.
- Reduced response time, using Momento Cache and Redis to keep the state of the conversation and relevant information used in the Whatsapp Flows.

Ceercle Project, Remote - Fullstack Blockchain Developer

July 2022-July 2023

• Developed complete Web3 solutions, encompassing the backend with TypeScript and Node.js, and frontend automations with React for various projects, including the creation of Smart Contracts with Solidity to interact with Polygon blockchain.

Cub3, Remote - Fullstack Blockchain Developer

October 2021-July 2022

- Developed and implemented robust backend API services using Hapi and Prisma to manage data for users and companies, optimizing the interaction process with blockchain transactions to reduce user time by more than 50%.
- Led a development team, improving communication between different groups and ensuring the efficient delivery of the project.

Ceercle Project, Remote - Junior Backend Developer

August 2021-October 2021

- Assisted in the development of the backend for a legal services application, implementing essential CRUD operations using Python and PostgreSQL.
- Gained foundational experience in database management and application architecture within a team-oriented environment.

Languages

Spanish (Native), English (Fluent, C2 in EFSET https://cert.efset.org/rhs1vN).

Technical expertise

Typescript, Node.js, express, PostgreSQL, MongoDB, Prisma ORM, Hapi, Langchain, OpenAl, StackAi, Prompt Engineering, Agentic Infrastructure, Google Cloud, AWS, React, Git, GitHub, GitLab, WhatsApp API Cloud, Meta for Developers, Chatbots, Telegram, Metamask, NFTs, DeFi, Solidity, Hardhat, ethers.js.

Certifications

Platzi

Ethereum Virtual Machine.

Obtained: April 2023.

ID: 9f0d24c1-b89d-4455-92e9-2e5393eca3bb

Ethereum for Developers.

Obtained: March 2023.

ID: 8f0f082a-0c26-40f9-acc6-adf5cff89c4e *Tokens in Ethereum: Fundamentals.*

Obtained: March 2023.

ID: 52525231-2370-4414-aaf8-1f6c2c2de5ae

Openzeppelin.

Obtained: January 2023.

ID: 6e890e73-e1c4-448c-a78d-5fc6fda9fb42

Coursera

Python for Everybody Specialization.

Obtained: July 2020. ID:K5MM4MQMDXDN