Multi-Agent Workflow for Enterprise Automation

A web-based AI agent platform designed to automate and optimize complex enterprise workflows



Problem

- Delay in operations
- Risks of failure
- Unoptimized staff workload

Solution

Multi-agent system to handle multiple tasks at once

Advanced AI capabilities for fool-proof results

Automatized workflow for efficiency

How it works

"Generate a marketing campaign for our new product launch and notify the sales team."



The marketing agent generates a campaign plan.

The sales agent generates a selling and pricing strategy for the product.

The design agent generates a design plan for the product.

The support
agent generates
customersupport
strategies to
adopt with the
release of the
product.

Technologies

Python (Back-end)



ReactJS (web UI)



FastAPI (API building in Python)

Required stacks

Groq API (AI models integration)



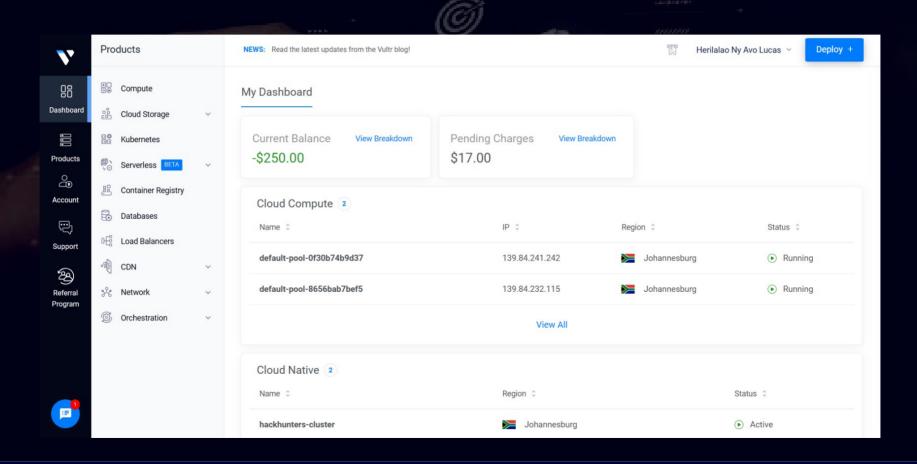
Llama3 3-70b (AI model used)

*** We deployed on:



Kubernetes clusters on Vultr's cloud platform

Kubernetes deployment on Vultr



Additionnal stacks

 Coral Protocol (Multi-Agent protocol)

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*** CI/CD pipeline:
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- <u>Linting:</u> ESLint [frontend] Flake8 [backend]
- <u>Testing:</u> Jest [frontend] Pytest [backend]

Future features

- Give agency to the AI agents in the app to actually perform the tasks in real-time
- Allow voice input from the user

Our team

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