John Rommel Octaviano

Software Engineer │ Blockchain, Cloud, Data, Mobile, Web

2+ total years of working experience │ +639562057280 │ johnrommel.octaviano@gmail.com │ https://ctvnjhnrmmlp.vercel.app

Experience

The BLOKC (The Blockchain Learning Organization and Knowledge Center) — January 2025 - March 2025 │ 2 months
Software Engineer │ Internship — Remote, Philippines

- Developed and deployed smart contracts using Solidity, Hardhat, and Ethers, integrating seamlessly with existing REST APIs built with NestJS to enhance decentralized application functionality.
- Built and optimized decentralized applications (DApps) using modern frameworks like Next.js, React, Viem, Wagmi, and RainbowWalletKit, ensuring a responsive and user-friendly Web3 experience.
- Recognized as a core contributor and mentor in a leading blockchain cohort, providing guidance on smart contract development, DApp architecture, and best practices for decentralized systems.

T.E.A.M DAO — September 2023 - January 2025 │ 1 year 4 months
Software Engineer │ Full Time — Remote

- Spearhead the development and optimization of decentralized applications (dApps) and Web3 gaming solutions, leveraging React.js, Next.js, and Tailwind CSS to deliver visually captivating and highly responsive user interfaces.
- Integrated and maintained real-time communication systems and data retrieval mechanisms using SocketIO, GraphQL, Apollo, and REST APIs, significantly enhancing user engagement and interaction speed.
- Streamlined collaborative workflows by implementing best practices in code management, version control, and peer review processes using Visual Studio Code and Git, fostering innovation and operational excellence within dynamic project environments.

QX Information Technology Corp. — March 2023 - September 2023 │ 6 months
Software Engineer │ Full Time — Remote, Philippines

- Engineered and maintained dynamic, scalable web solutions using a robust technology stack, including WordPress, PHP, Laravel, Angular, JavaScript, HTML, CSS, Bootstrap, and Sass, effectively addressing diverse client and business requirements.
- Delivered engaging, user-friendly web applications by crafting interactive user interfaces and collaborating closely with cross-functional teams to align development with business objectives.
- Consistently met project timelines and quality benchmarks, contributing to high-impact product launches and fostering a culture of innovation and efficiency.

Education

University of Cabuyao — 2021 - 2025
Computer Science — Bachelor of Science
https://pnc.edu.ph

- Thesis: Lifeline Angel – A Recommendation System for the Provision of First Aid Using Chatbot
    - Designed and developed an AI-powered chatbot system for personalized first aid recommendations based on user inputs. The system integrates two specialized models: **Astra**, which utilizes machine learning and natural language processing to generate accurate text-based first aid guidance, and **Vesper**, an image-based wound classification model that enhances first aid assistance through visual analysis.

Projects

Lifeline Angel
First Aid Recommendation System
https://lifeline-angel.vercel.app

A smart first-aid recommendation system utilizing AI to provide real-time assistance based on text and image inputs.

Meta Bounties
A Chain-Agnostic Bounty & Earn dApp
https://metabounties.vercel.app

A decentralized application (dApp) designed to help users discover and participate in bounties, grants, tasks, and earning opportunities across multiple blockchain ecosystems. Unlike most platforms that are locked into a single chain, this platform is chain-agnostic — starting with Aptos, and expanding support for other ecosystems.

Selyo (EVM Support)
Tokenized Engagement Platform
https://www.facebook.com/projectselyo

Platform for tokenizing social interactions. We help organizers gather real-time data from their participants to help them run raffles, giveaways, and to understand attendees behavior to bring the best experience for your IRL events

GitHub Portfolio - https://github.com/ctvnjhnrmmlp

Technical Skills

Blockchain

- **Languages & Frameworks**: Solidity
- **Tools & Libraries**: Foundry, Hardhat, Ethers, Viem, Wagmi, Web3.js, GraphQL
- **Platforms**: Ethereum, Base
- **Storage**: IPFS, Pinata

Cloud

- **Platforms**: AWS, GitHub Actions
- **DevOps & Containers**: Docker, Kubernetes
- **Databases**: MySQL, PostgreSQL, MongoDB, Supabase

Data

- **AI & Machine Learning**: PyTorch, TensorFlow, OpenAI
- **Query Languages**: GraphQL, Apollo

Mobile

- **Frameworks**: React Native, Expo

Web

- **Programming Languages**: JavaScript, TypeScript, Java, Python, PHP
- **Frontend Frameworks & Libraries**: React, Next, Angular, TailwindCSS, Bootstrap, Grammy, SocketIO
- **Backend Frameworks**: Nest, Express, Fastify, FastAPI, Laravel, tRPC
- **Databases & ORMs**: Prisma, MySQL, PostgreSQL, MongoDB
- **Testing**: Jest, Playwright
- **Operating Systems**: Fedora, Arch Linux