Richmond Lavadia

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Skills

Programming: Python, TypeScript, JavaScript, C#, MySQL, MongoDB, Supabase, Redis
Frameworks: Next.js, Express.js, React.js, Tailwind CSS, Bootstrap, Langchain

Experience

Web Developer Intern , Jaehub – Quezon City, NCR June 2023 – July 2023

- Optimized Jaehub's POS database schema, which improved query performance, reduced retrieval times, and documented the database to enhance maintainability and streamline onboarding
- Developed Jaehub’s landing page using React.js, improving overall user experience and lead generation.

Leadership

Core Member / Logistics , Google Developer Students Club – Tuguegarao City, CAG Aug 2020 - June 2023

- Led the logistics team in coordinating and executing deliverables for events, resulting in seamless operations and heightened attendee satisfaction.

Projects

Clarity AI Private Repository

- Won the Philippine Startup Challenge 8 among 629 entries from 158 schools nationwide by developing Clarity, an AI tool that provides code explanation, generate documentation, and offer coding exercises leading to faster developer onboarding and experience.
- Headed development as part of a 2 person engineering team, overseeing all aspects from planning to implementation, and successfully presented on International Conference for ITE 2023
- Optimized the architecture leading to 80% reduction in API usage costs and significantly enhancing its ability to help developers understand complex codebases

Kaya github.com/supermonmon/kaya-nextjs

- Won 2nd place out of 21 teams in a hackathon by developing Kaya , an AI-powered job matching and upskilling platform designed to provide job opportunities and continuous learning to educators
- Built using Next.js, Supabase, Prisma, Pusher, and Gemini API, leveraging serverless functions for the API to achieve a 30% improvement in responsiveness and scalability, with enhanced real-time communication capabilities.

WeComply w3comply.com

- Developed an attendance and automated sanctioning system for the 59th University Week at the University of Saint Louis, streamlining attendance tracking for over 300 students and enhancing operational efficiency

CPU Scheduling Visualizer github.com/supermonmon/cpu-scheduling-visualizer-go

- Developed a lightweight terminal application in Go Language for visualizing various CPU scheduling algorithms, optimized to a compact size of 31KB

For more projects please visit my web portfolio.

Education

University of Saint Louis – BS Computer Science June 2024