Sean Paul Monton

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Education

Polytechnic University of the Philippines   Sta. Mesa**,** Manila, Philippines
Bachelor of Science in Computer Science   2024 - Present
Relevant Coursework: Object Oriented Programming, Data Structure and Algorithms

Polytechnic University of the Philippines – Senior High School   Sta. Mesa**,** Manila, Philippines
Information and Communications Technology Strand - Graduated with High Honors   2022 - 2024

Experience

Founding Lead Full Stack Developer | Laundry King MNL   Kamias, Quezon City
July 2025 - Present
- Architected and deployed a highly available **RESTful API** for a custom laundry service booking platform, managing user authentication, and scheduling with **100% backend coverage.**
- Developed and integrated critical frontend pages such as dashboards, booking forms, resulting in a seamless user experience for **150+ customers.**
- **Enabled P150, 000+ in revenue** by implementing an efficient order management system for the **20+ weekly active user base.**

Freelance Full Stack Mobile & Web Developer| Moss Manila   Remote
- **AI Architecture & Intelligent Search:** Architected a Node.js/Express backend featuring an AI matching engine that reduced specification time by **25%**, alongside a high-performance **vector-based semantic search** system to optimize product discovery.
- **Real-Time Collaboration Systems:** Engineered a robust internal communication platform using the **MERN stack and Socket.IO**, facilitating seamless, low-latency messaging and collaboration between design teams and clients.

Freelance Full Stack Mobile & Web Developer| Baobab Vision   Remote
- **Mobile AI & Computer Vision:** Developed a cross-platform **Flutter** application leveraging **Google's ML Kit** for real-time face shape analysis and **OpenAI** to generate personalized, context-aware product recommendations.
- **Resilient Backend Infrastructure:** Engineered a fault-tolerant backend for the "Virtual Try-On" feature, implementing a **3-attempt exponential backoff retry mechanism** that ensured system stability and high availability during traffic spikes.

Projects

Team Lead, Full Stack Web Developer |Budget Wingman   April 2025
- **Rapid Prototyping:** Built the entire backend infrastructure from the ground up in a **24-hour sprint**, prioritizing core features to ensure a stable MVP demo.
- **AI Architecture:** Architected a chatbot-driven interface using Express.js and OpenAI, implementing custom logic to translate natural language user inputs into structured financial database entries for real-time expense tracking.

Lead Full Stack Developer | DOS Social Platform   September 2024
- **Full Stack Architecture & Optimization:** Engineered the complete **MERN stack** infrastructure, designing a complex **MongoDB** schema with **pagination** to optimize social graph queries (dynamic feeds, threaded comments) for the responsive **React/Tailwind** frontend.
- **Technical Leadership & Adoption:** Directed the end-to-end development lifecycle for a **7-member cross-functional team**, managing strict QA workflows to deploy a stable MVP that successfully **scaled to 53 active users** with zero downtime.

Technical Skills

Languages: JavaScript, Typescript, Python, Golang, C, C++, Java, SQL, HTML, CSS
Framework: React, Tailwind, Node.js, Express.js, FastAPI, Chi
Developer Tools: Git, Github, Bash, Visual Studio Code, Firebase, Render, Supabase