Sean Paul Monton

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Experience

Laundry King MNL - Co Founder, Lead Full Stack Developer | Kamias, Quezon City   July 2025 - Present
- Solely architected, engineered and deployed a highly available RESTful API using **MERN with TypeScript**, integrating **AWS S3 for secure cloud storage** with **100% backend test coverage**.
- Enabled **₱400,000+ in revenue** by implementing an efficient order management system for the **80+ active user base**, supporting a total of **300+ customers.**

Freelance Full Stack Mobile & Web Developer, Remote   January 2024 - Present
- **Moss Manila**: **AI & Real-Time Architecture:** Engineered a **MERN**-based collaboration platform using **Socket.IO** for low-latency team messaging and a **Node.js/Express AI matching engine** with **vector-based semantic search** to reduce project specification time by 25%.
- **Baobab Vision**: **Computer Vision Integration:** Built a **Flutter** mobile application leveraging **Google ML Kit** for **real-time face shape analysis** and **OpenAI** for generating context-aware, personalized eyewear recommendations.

Projects

AInay **& MedicAI** - Team Lead, Full Stack Developer | Ship or Be Shipped Philippines   December 2025
- **Big Data & Clinical Engineering:** Architected two distinct platforms using **MERN with TypeScript**, orchestrating the ingestion of **FDA registries** and **Kaggle datasets** to automate safety warnings for senior polypharmacy risks (AInay) and high-performance clinical documentation (MedicAI).
- **Leadership & Dual-Award Delivery:** Led a 3-man team to secure **3rd Place Overall** for AInay and the **Clinical Assistant Bounty** for MedicAI among 80+ developers under 24 hours, delivering production-ready MVPs that targets to address 76% medication non-adherence rate for Filipino families.

AWS Cloud Club PUP LMS - **Backend Developer**   November 2025
- Developed the authentication foundation and secure data layer using **TypeScript and Express**, implementing **Supabase PostgreSQL** schemas to manage secure identity and access control for **300+ active club members.**
- Orchestrated the deployment pipeline using **Docker** for containerized consistency and **AWS Lambda** for serverless backend execution, leveraging **AWS S3** to provide high-availability cloud storage for mission-critical learning assets.

Budget Wingman - Team Lead, Full Stack Web Developer | SpringboardLabs   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.

Education

Polytechnic University of the Philippines   Sta. Mesa**,** Manila, Philippines
Bachelor of Science in Computer Science   2024 – Present
SM Foundation Scholar
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

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, Postman
Cloud & Infrastructure: AWS (S3, Lambda, EC2), Docker, Supabase, Firebase, Render, Vercel, Netlify