Justine Edward P. Santos

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portfolio-justine-santos.vercel.app

SUMMARY

Full-stack developer with strong expertise in JavaScript frameworks and backend systems. Experienced in building responsive web applications with React/Next.js frontend and Laravel/Node.js backend solutions. Skilled in API development, responsive design, and creating intuitive user interfaces.

EDUCATION

Wesleyan University Philippines   Cabanatuan, Nueva Ecija
Bachelor of Science in Information and Technology   *Aug. 2021 – Aug. 2025*
- Cum Laude

EXPERIENCE

Leads Agricultural Products Corporation   Binan, Laguna
Full Stack Developer   *Jul. 2025 – Dec. 2025*
- Built a modern landing page using Next.js with optimized performance and modern design
- Developed a system using Next.js, TypeScript, and PostgreSQL with PayMongo integration for transaction processing
- Implemented blockchain transparency features using Solana and secure authentication with NextAuth
- Assisted in blockchain backend project utilizing TypeScript, Express, SQL, Solana, and Rust Anchor

Philippine Rice Research Institute (PhilRice)   Muñoz, Nueva Ecija (Onsite)
Software Developer Intern   *Feb. 2025 – May 2025*
- Developed a weather data visualization application that streamlines access to PAGASA's forecast data across 1,619 municipalities
- Optimized data handling of over 16,000 daily weather records (temperature, humidity, wind, rainfall) using MongoDB
- Built an interactive Philippines map with Leaflet.js to visualize municipality-level weather information
- Implemented comprehensive historical data analysis tools with custom date range queries and export functionality
- Developed an admin page with configurable rule-based recommendation system for 10-day forecast data
- Automated data retrieval with cron jobs to synchronize with PAGASA's bi-weekly forecast updates

Freelancer   Remote
Full Stack Developer   *Jan. 2024 – Feb. 2025*
- Developed a research repository web application for an educational institution using Next.js
- Implemented authentication systems and integrated PayMongo payment processing for client applications
- Converted client UI/UX designs into fully functional, responsive web applications

PROJECTS

Project E-SIP | *Next.js, React, TypeScript, PostgreSQL, NextAuth, Git*
- Developed a Google Scholar-like platform for 300+ STE schools featuring real-time collaborative document editing, highlighting, and commenting functionality
- Implemented secure school-based authentication with email verification and teacher approval workflow
- Created a monetization system through PayMongo integration enabling pay-per-view access to premium research papers
- Built comprehensive analytics dashboard with AI-powered insights and real-time messaging via Streamio

School Management System | *React, Laravel, Inertia, MySQL, Git*
- Developed a comprehensive educational platform supporting 6 user roles (HR, Registrar, Treasurer, Program Head, Professor, Student) with tailored dashboards and permissions
- Implemented enrollment management, academic scheduling, grade calculation system with breakdown by quarter and assessment type
- Built integrated financial modules for tuition payment processing, payroll management, and miscellaneous fee tracking
- Created facility management features including classroom allocation, building assignment, and faculty/department organization

Technical Skills

Languages: JavaScript, TypeScript, Python, HTML/CSS
Frameworks & Libraries: Next.js, React, Angular, Vue, Nuxt, Laravel, Express
Databases: PostgreSQL, MySQL, MongoDB
Tools & DevOps: Docker, Git
Blockchain: Solana