

PAUL SANTOS

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Software Engineer

Technically minded professional with an excellent educational background and hands-on experience in software engineering, full-stack web development, and project management, specializing in MERN stack technologies and modern JavaScript frameworks. Adept at optimizing application performance, user experience, and accessibility through code optimization and responsive design. Proficient in testing, debugging, and adherence to coding best practices and architectural guidelines to ensure stable and secure applications.

TECHNICAL SKILLS

Languages:	JavaScript, Python, SQL, HTML, CSS
Frameworks & Libraries:	React, Next.js (app router), Tailwind CSS, Bootstrap, Node, Express, Embedded JavaScript, Django
Database Management:	[NoSQL] MongoDB, Mongoose [SQL]- Supabase, PostgreSQL, MySQL
Authentication:	NextAuth.js v5, Google OAuth, Session-Based Authentication, JSON Web Tokens
Tools & Platforms:	Git, GitHub, Vercel, Netlify, Heroku, Trello, Figma, Huly, Slack
Core Proficiencies:	API Integration, MVC Architecture, Agile Methodologies, Front-End Technologies, Back-End Development

EXPERIENCE HIGHLIGHTS & PROJECTS

KnowNative | Open Source Software Engineer Core Contributor | Remote 07/2024 to Present

Tech: React, MongoDB, Express, Node, Material UI, Bootstrap CSS (MERN Stack)

- Created UI components for major features of the app, including sidebars, modal windows, edit forms, and pop-up windows
- Introduced React's Context API, Redux, and useReducer into the app's codebase as part of the state management refactoring team
- Ensured consistency with business requirements and technical specifications during development of this Chinese language learning app through code reviews, paired programming sessions, and effective communication with the app owner and team of 15+

Key Project: WanderWise | Full Stack Software Engineer | [Live Link](#)

Tech: Next.js (App Router), React, Supabase, PostgreSQL, NextAuth.js, Tailwind CSS

- Integrated external API integration with Amadeus, TripAdvisor, and Google Places to deliver personalized travel suggestions for users
- Designed responsive interfaces for desktop and mobile devices and oversaw web accessibility efforts for greater user experience
- Implemented Next.js for full-stack development under a 2-week deadline by utilizing server components, image optimization, file conventions (e.g. error.js), cache revalidation, and file-based routing to architect a robust application.

Key Project: Order-Eatz | Team Lead: Full Stack Software Engineer | [Live Link](#)

Tech: React, Node, Express, MongoDB, Tailwind CSS, (MERN Stack)

- Managed and delivered a fully functioning project in 2 weeks by collaborating on the application architecture, delegating tasks, optimizing workflow, leading debugging efforts, and conducting code reviews with a small team

Key Project: SweatShare | Software Engineer | [Live Link](#)

Tech: HTML, CSS, Vanilla JS, Node, Embedded JavaScript, Bootstrap, Express, MongoDB

- Leveraged Node's back-end capabilities and MongoDB's aggregation pipeline to enhance user experience with features like PDF printing, user reviews, user comments, exercise program aggregate ratings, and exercise program filtering.
- Used MVC architecture principles to maintain a clear separation of concerns and ensure scalable code structure while implementing RESTful routing practices for maintainable API interactions.

Key Project: Pokémon Trivia Game | Software Engineer | [Live Link](#)

Tech: HTML, CSS, Vanilla JS

- Developed a dynamic Pokémon trivia game featuring up to 15 questions by implementing an Object-Oriented Programming approach with JavaScript classes and subclasses for dynamic question generation, integrating the PokéAPI for question content
- Created efficient algorithms to randomize question and answer content while ensuring no duplicate questions appear in game

EDUCATION & CERTIFICATIONS

Software Engineering Flex Immersive | General Assembly | Remote

Doctorate of Physical Therapy | Azusa Pacific University

Bachelor of Science in Psychobiology, French & Francophone Studies Minor | University of California, Los Angeles

The Complete JavaScript Course 2024: From Zero to Expert! | Udemy | 2024