PAUL SANTOS

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Full Stack 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, AWS Technologies, AWS Route 53, Amazon S3, AWS Amplify
Core Proficiencies:	API Integration, MVC Architecture, Agile Methodologies, Front-End Development, Back-End Development

Software Engineer Experience & Key Projects

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

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

- Created React UI components for major features of the app, including sidebars, modal windows, edit forms, and pop-up windows
- Introduced React's Context API 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 the Amadeus API, TripAdvisor API, and Google Places API 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, working with both AWS Amplify and Vercel for deployment, gaining experience with cloud-based environments, build pipelines, CI/CD, and troubleshooting deployment issues

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 by implementing an Object-Oriented Programming approach with JavaScript classes and subclasses for dynamic question generation, integrating the PokéAPI for question content and Amazon S3 for static site hosting
- Created efficient algorithms to randomize question and answer content while ensuring no duplicate questions appear in game

Additional Work Experience/Physical Therapy Work Experience

A-List Therapy Group | Home Health Physical Therapist   03/2023 to Present

- Collaborated with nurses, occupational therapists, and speech therapists to ensure a multifaceted approach to home health care, coordinating all aspects of physical therapy care while consistently communicating patient progress to the entire team

- Served as a liaison between patients and case managers to efficiently communicate patient needs to the appropriate channels
- Organized and coordinated all aspects of patient scheduling and other administrative tasks while delivering quality patient care

Luna Physical Therapy | Mobile Outpatient Orthopedic Physical Therapist   01/2022 to Present

- Adapted treatment plans to each patient's home environment to deliver outpatient orthopedic physical therapy, inclusive of manual therapy, therapeutic exercises, and gait and balance training
- Engaged caregivers, patients, and their family members to ensure alignment and understanding of physical therapy treatment plans, enhancing patient compliance and promoting comprehensive, personalized care

Kaiser Permanente, West Los Angeles | Hospital Outpatient Orthopedic Physical Therapist   02/2022 to 02/2023

- Administered outpatient orthopedic care in a fast-paced, hospital-based outpatient clinic, treating 12-14 patients daily for 30 to 45 minute sessions without assistance from aides or administrative staff, consistently achieving up to 90% productivity each month
- Utilized effective communication with medical doctors and other healthcare professionals to coordinate high-quality patient care

California Therapy Solutions | Private Practice Outpatient Orthopedic Physical Therapist   10/2020 to 12/2021

- Provided outpatient orthopedic care, treating 16-18 patients daily with orthopedic and musculoskeletal conditions, while supervising and mentoring physical therapy aides to implement certain aspects of treatment plans
- Incorporated traditional and Pilates-based therapeutic exercises, manual therapy, and patient education to enhance patient outcomes
- Delivered strong educational presentations on proper ergonomics for patient transfers to other healthcare workers within the facility

Education

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