

CHARMIE DUBONGCO

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TECHNICAL SKILLS

Languages & Frameworks: Javascript (ES6+), React, HTML, CSS/Sass, Typescript, Node.Js, Express, Next.js, React Router, React Testing Library, Tailwind CSS, Material UI, Chart.js, Clerk, Jest

Database: SQL (PostgreSQL), NoSQL (MongoDB)

Technologies & Tools: RESTful API, OAuth, Vercel, Google Lighthouse, Bcrypt, Authorization, Git/Github Workflow, Github Actions, Github Pages, Webpack

EXPERIENCE

RenderPup | (Open source) | Software Engineer 2024 - Present

- Developed custom dashboard components with React for precise control over the presentation of saved website performance metrics, utilizing its declarative syntax and one-way data flow to ensure an aesthetically pleasing layout and optimal data display in the DOM.
- Spearheaded the integration of React Router to facilitate seamless navigation within components, utilizing hooks for state management and client-side rendering, incorporating server-side rendering with Express to enhance interactivity, optimize initial page load times by 30%, and improve search engine visibility.
- Managed PostgreSQL to create a data persistence layer for the core performance metrics platform, optimizing for transactional writes across our system by 25% to store CPU utilization, latency, and component rendering speed data.
- Leveraged Material UI as an extensive frontend component library to station a robust login/signup page in React, integrating user-friendly designs to enhance the overall developer experience and thereby streamline the app implementation process and optimize development time.
- Implemented performance metric visualization using Chart.js, leveraging diverse chart types and interactive features; optimized data display across all devices, enhancing user experience and boosting engagement metrics by 40%.
- Executed Jest's straightforward testing design and swift execution approach to create a mock testing environment, guaranteeing precise rendering of React components and elements, leveraging Jest's cohesive integration with React component testing to streamline the process.

OPEN SOURCE

JobNest | Software Engineer 2024 - Present

- Enlisted Next.js for React component display with file-based routing and SSR to create job application tables, improving SEO and performance metrics by 50%.
- Deployed applications on Vercel's cloud platform with Next.js for automatic scaling and preview deployments, enabling smooth collaboration and efficient deployment processes within the team.

Chartbeat | Software Engineer 2023- 2024

- Integrated React Testing Library for comprehensive DOM testing to ensure accurate functionality through different user interactions and state transitions.
- Implemented Jest for efficient creation of mock testing environments, validating database operations and data integrity, optimizing the testing process with Jest's seamless database integration.

Meal Match | Software Engineer 2023 - 2024

- Enhanced HTTP request handling and performance metric reporting by leveraging Express's robust routing, middleware management, and authentication features.
- Managed diverse cuisine options and user preferences seamlessly with MongoDB's flexible schema and horizontal scaling to ensure scalability and performance without predefined schemas.

PREVIOUS EXPERIENCE

WestStar Physical Therapy | Student Physical Therapist 2021

- Engaged in interdisciplinary collaboration among a healthcare team to conduct patient assessments, generate progress notes, and design personalized treatment plans for each patient's unique needs.
- Delegated therapeutic exercise/modalities to orthopedic patients across all age groups while ensuring adherence to updated exercise regimens and scheduling appointments with physical therapists' approval.

EDUCATION

California State University of Long Beach | Bachelor of Science 2012 - 2017

Loma Linda University | Physical Therapy 2020 - 2022

TALKS / PUBLICATIONS

Angular Framework: [Caseblink Tech Talk Speaker Series \(2024\)](#)

Optimizing Next.js Performance with RenderPup: [A Comprehensive Guide](#)

HOBBIES

Landing 360's on my snowboard, recovering from snowboarding with hot yoga, unleashing my powerful backhand in pickleball and tennis, pumping iron to summon the strength of a thousand bulls, roller skating into the sunset, and shooting golf balls into the abyss amid scenic views.