

Julian Macalalag

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LANGUAGES & TECHNOLOGIES

JavaScript, TypeScript, PHP, React, Redux, Next.js, Gatsby, Wordpress, HTML, CSS/SCSS, Tailwind, Node, Express, NoSQL, SQL, Authentication(Bcrypt), TDD(Jest), Vite, Webpack, AWS, Git, Agile/Scrum

EXPERIENCE

Web Developer, **Raborn Media**

2024 - Present

- Engineered full-stack web applications using React, PHP, JavaScript, and WordPress, ensuring scalable architecture, optimized performance, and modern UI/UX.
- Built reusable React components and custom WordPress blocks (accordions, blurbs, tabs, calculators), reducing development time by 10% and improving maintainability.
- Developed a React-based customer portal with project dashboards, file attachments, and comment threads; integrated the frontend with a Laravel backend API and optimized performance with useMemo and global state with useContext.
- Implemented CI/CD pipelines with GitHub Actions to automate builds and deployments, cutting release time and increasing deployment reliability.
- Identified and resolved complex issues including caching conflicts, plugin errors, and API integrations, improving system stability and security.
- Resolved 2,000+ ADA compliance issues, improving accessibility and usability across client websites.

Software Engineer, **SeeQR (Open Source)**

2023 - 2024

- Implemented SQL databases, optimized performance, and built interactive visualizations with React Flow and Chart.js.
- Built unit tests with Jest that reduced bugs by 20% and improved contributor experience.
- Leveraged TypeScript interfaces to enforce type consistency across frontend and backend data flow.
- Generated responsive 3D data visualizations using Three.js to simplify the workflow and D3 to ensure real-time data updates, providing an alternative view of the user's SQL database.
- Reduced technical debt by removing unused dependencies and upgrading packages, decreasing known vulnerabilities by 8% and improving app security and startup time.

Bookkeeper, **Wang & Company CPA's**

2020 - 2022

- Managed payroll for 40+ clients using VBA and Accounting CS, ensuring precise compilation of financial statements by conducting in depth reviews of client documents to identify discrepancies.
- Accelerated client cost reduction by 5% through expert guidance and close collaboration, ensuring timely compliance with sales and payroll tax obligations, while fostering strong client relationships.
- Enabled team growth by training new employees and creating streamlined documentation for critical tasks.

Projects

Trade Titans

- Built a full-stack trading app with Next.js and Tailwind, delivering a responsive UI and reducing development time.
- Incorporated Prisma as the ORM for seamless communication with a PostgreSQL database, ensuring efficiency and scalability.

TriviaSmack

- Developed a SPA using React Router, enabling seamless client-side routing and effortless page navigation.
- Leveraged MongoDB's fast read times for database querying and horizontal scalability, optimizing the app for increased traffic.

EDUCATION

Codesmith - Advanced Residency for Software Engineers

University of Houston - Bachelor of Science, Kinesiology