

Kyle Oliva

Senior Fullstack Developer with expertise in efficient backend solutions and a passion for creating modern, user-friendly, and aesthetically refined interfaces.

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Experience

Senior Fullstack Developer · **SAP** Dec 2023 — Present

Fullstack Developer Feb 2023 — Dec 2023

- Spearheading the rewrite of the broadcasting platform, currently in development. Focusing on optimizing the video experience, revamping the live support system, and enhancing user interaction through improved notification features.
- Developed a real-time subtitling system utilizing machine learning to generate subtitles for video streams, enhancing accessibility and audience reach.
- Optimized video streaming experience by implementing a P2P distribution system, improving efficiency and scalability for large audiences.
- Maintained the legacy broadcasting platform, implementing a chat reply feature that boosted user engagement. Successfully resolved critical bugs, ensuring platform stability.
- Provided technical expertise and user-centric insights while collaborating with development leads and product managers on feature planning and strategy for the platform's overhaul.

Lead Frontend Developer · **Shockwave Media** Feb 2022 — Feb 2023

- Spearheaded the frontend development of a content creation task management platform (think Trello for video, banners, and ads). Streamlined content organization, facilitated team collaboration, and boosted project efficiency.
- Established the project's coding foundation by creating a comprehensive guide on standards and best practices, ensuring code consistency and maintainability for a growing team.
- Evaluated and implemented frontend technologies like React and Next.js, resulting in a performance boost and enhanced user interactivity through dynamic content loading.
- Conducted code reviews for the team, identifying and preventing bugs and promoting consistent, high-quality code across the development cycle.

Fullstack Developer · **Project Wi-Fi** Aug 2021 — Feb 2022

- Rebuilt Project-WiFi's web app using Vue to streamline client billing using Stripe (40% faster processing times), enhance profit tracking with real-time dashboards, and improve user engagement with interactive stats.
- Developed a React Native mobile app for Project Wi-Fi, boosting user engagement by 55% and increasing on-time invoice payments by 40%.
- Created the BlackWater MVP, Project Wi-Fi's mining-as-a-service project, designed for easy access to Bitcoin mining.

Software Engineer · **Cambridge University Press & Assessment** Nov 2020 — Aug 2021

Junior Software Engineer Aug 2019 — Nov 2020

- Developed Python scripts to automate journal formatting according to APA and MLA styles, increasing efficiency.
- Created a reusable library that implements our internal authentication APIs, saving developers an estimated 20 hours per project integration.
- Maintained critical legacy applications and core products written in Java, ensuring functionality, and resolving critical bugs.
- Wrote unit tests to ensure code quality and maintainability of internal libraries and applications.

Skills

Core Development Languages

TypeScript, JavaScript, Python, Java, HTML, CSS

Frameworks & Libraries

Next.js, Nuxt, Nest, React, Vue, React Native, Electron, Cypress, Tailwind CSS

Tools and Services

Git, GitHub, Docker, Stripe, Storybook, Firebase, Supabase, AWS, Google Cloud, Redis, PostgreSQL, MongoDB, Figma, Linear, Jira, Trello

Projects

eParticipation Tool

An innovative survey platform with AI-driven dialect translation and NLP for detailed statistical analysis.

Education

Mapúa University

Bachelor of Science in Computer Science

Interests

Actively staying up to date on advancements in web development, Brainstorming and validating SaaS ideas, Building custom mechanical keyboards, Snowboarding, Sci-fi films, Lord of the Rings