

Agung Kurniawan

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Profile

Frontend Developer with over one year of experience building modern web applications using React and Next.js. Passionate about developing responsive, high-performance user interfaces optimized for SEO, accessibility, and user experience. Knowledge of UI/UX principles with experience designing responsive web interfaces in Figma.

Education

Universitas Islam Makassar

Concentration in Software Engineering, Minor in Computer Network Engineering

Degree: B.Sc. in Computer Science GPA: 3.65 / 4.0

Activities: Laboratory Teaching Assistant, Student Mentor, Programming Study Club

Jul 2020 — Jul 2025

Makassar, Indonesia

Experience

Full Stack Developer (Freelance)

Kalosi Community Health Center

Jul — Aug 2025

Enrekang, Indonesia

- Developed RESTful APIs supporting healthcare administration, article management, and real-time communication.
- Implemented real-time web-to-Android chat using Appwrite Realtime and Expo Notifications API.
- Implemented a Quill-based rich text editor, PDF/Excel export, and authentication using Appwrite and Better Auth.
- Optimized article loading with pagination and skeleton loading, reducing Cumulative Layout Shift (CLS).
- Contributed to a 30% increase in patient visits by improving access to health information.
- Digitized daily reporting for health center staff, improving operational efficiency.

IT Engineer (Contract)

PT Pegadaian (Persero)

Oct 2024 — Apr 2025

Makassar, Indonesia

- Deployed 40+ systems across multiple client sites running Linux-based environments.
- Troubleshoot driver conflicts, network hardware configuration, and BIOS compatibility across deployed systems.
- Documented implementation workflows and provided end-user technical support.
- Collaborated with cross-functional teams to ensure SOP-compliant deployments.
- Delivered the project over two months ahead of schedule.

Laboratory Teaching Assistant

Universitas Islam Makassar

Feb 2022 — Jul 2023

Makassar, Indonesia

- Delivered laboratory sessions on C++, HTML, CSS, JavaScript, Node.js, MySQL, REST APIs.
- Guided first-year students through hands-on programming and debugging exercises.
- Developed laboratory materials and programming demonstrations.
- Evaluated assignments and provided technical feedback.
- Collaborated with instructors to improve laboratory learning materials.

Selected Projects

Job Tracker | MongoDB, Mongoose, Dnd-Kit, React, Next.js, Tailwind CSS, TypeScript, Vercel

Feb — May 2026

- Improved Core Web Vitals by reducing Cumulative Layout Shift (CLS) through skeleton loading in Next.js.
- Minimized redundant API requests by implementing debounced user interactions.
- Built secure authentication using JWT and bcrypt.
- Optimized React performance by reducing unnecessary re-renders with memoization and stable references.

Escape The Factory | JavaScript, Kaplay, Collision Detection, itch.io

Jun — Jul 2026

- Built a 2D pixel art platformer using Kaplay with OOP architecture, enemy AI, sprite animations, and global state management.
- Optimized performance through pixel-perfect rendering and asynchronous asset loading.
- Received positive player feedback on itch.io for gameplay and overall experience.

Technical Skills

Programming Languages: JavaScript, TypeScript, HTML, CSS, SQL

Libraries & Frameworks: React, Next.js, React Native, Expo, Tailwind CSS, Kaplay, Framer Motion, minimal-ui

Tools & Platforms: Git, GitHub, Netlify, Vercel, Itch.io, Docker, Webpack, Vitest, Figma, Photoshop