Ahmad Khairul Anwar

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PROFESSIONAL SUMMARY

Experienced Front-End Developer with 5+ years of expertise in React.js, Tailwind CSS, and modern web technologies. Led front-end development at Telkom Indonesia, building scalable platforms for 5,000+ teachers and 350,000+ students. Passionate about high-performance UI, testing, and optimizing user experiences.

PROFESSIONAL EXPERIENCE

FRONT END DEVELOPER   2020 - Present
TELKOM INDONESIA

- Converted UI designs from Figma into responsive, pixel-perfect user interfaces for more than 10+ projects, including Pijar Sekolah, a platform serving over 5,000 teachers, 350,000 students, and 1,100+ schools, leveraging React.js and Tailwind CSS for efficient, scalable, and visually appealing implementations.
- Refactored features, projects, and products, such as transforming the exam feature from PHP to JavaScript, reducing bugs related to disconnections, improving question loading times, and optimizing server load by enhancing the answer-saving algorithm.
- Integrated APIs across 100+ features and 10+ projects using Redux (Redux-Thunk) and later React-Query, enabling seamless communication between front-end and back-end systems.
- Conducted unit testing with a minimum of 80% coverage using React-Testing-Library, ensuring reliable and high-quality code. Maintained code quality using SonarQube and ESLint.
- Collaborated with a cross-functional team, including UI/UX designers during grooming sessions to refine designs for practical implementation, back-end developers for API integration and contract discussions, QA engineers for bug fixing and identification, and product owners (PO) to align on application flow and deliverables.
- Deployed features to QA environments for testing and subsequently to production using CI/CD pipelines, ensuring smooth and timely releases with minimal downtime.
- Implemented animations using Lottie and optimized performance with Webpack for module bundling.
- Led the front-end team, conducting code reviews to ensure adherence to best practices, assisting team members in resolving technical challenges, and mentoring new joiners to help them quickly adapt to the front-end tech stack and processes.

IT SUPPORT PROGRAMMER   2017 - 2019
CV. KARYA MITRA UTAMA

- Performed weekly hardware maintenance checks on 10+ devices, including PCs, printers, routers, and other IT equipment, ensuring optimal functionality and minimal downtime.
- Developed 5+ web-based applications using PHP, streamlining internal processes and supporting various organizational needs.
- Collected and analyzed data for reporting on 10+ projects, providing accurate documentation and actionable insights that improved project planning and evaluation.

IT SUPPORT PROGRAMMER   2013 - 2017
SEKOLAH TINGGI TEKNOLOGI JAWA BARAT

- Performed weekly hardware maintenance checks on 10+ devices, including PCs, printers, routers, laptops, projectors, and other IT equipment, ensuring optimal functionality and reducing technical issues.
- Developed and deployed web-based applications, including sttjabar.weebly.com, SIAKAD app, and a library app, improving academic and library management for over 200 students.
- Operated as PDDIKTI (Higher Education Database) Operator, managing data accuracy and compliance through regular reporting to KOPERTIS, ensuring regulatory alignment and institutional credibility.
- Collaborated with academic staff to collect and digitize paper-based data, improving data accessibility and reducing manual work errors.
- Optimized workflows by troubleshooting network issues, upgrading hardware/software, and implementing system improvements to boost overall IT efficiency.

PROJECT EXPERIENCE

PIJAR SEKOLAH - FRONT END DEVELOPER   2020 - Present

- Converted Figma designs into responsive, pixel-perfect user interfaces for more than 100+ features, ensuring usability and scalability across a platform serving 5,000+ teachers, 350,000+ students, and 1,100+ schools.
- Collaborated with cross-functional teams, including UI/UX designers, back-end developers, QA engineers, and other front-end developers, to deliver features, refactor projects, and systematically resolve bugs within or ahead of deadlines.
- Implemented adaptive technologies, leveraging React.js for development, transitioning from Redux to React-Query for state management, and replacing Enzyme with React-Testing-Library for more effective testing. Ensured the technology stack remained up-to-date by phasing out tools that lacked active development for over two years.
- Optimized the exam feature, refactoring from PHP to JavaScript, reducing bugs related to disconnections, improving question loading times, and increasing satisfaction among teachers and students.

- Enhanced content creation features, enabling teachers to create their own content, receiving positive feedback from users who found the feature intuitive and empowering.
- Implemented Google Analytics (GA), providing the marketing team with insights to enhance promotional strategies, and improving the visibility of platform usage metrics.
- Led unit testing efforts, achieving 80%+ coverage using React-Testing-Library, ensuring high-quality, reliable code across the platform.
- Streamlined deployment pipelines for QA and production environments, reducing deployment time and ensuring smooth releases with minimal downtime.

SISTEM AKADEMIK (SIAKAD), LIBRARY APP   2015 - SOFTWARE ENGINEER

- Managed the end-to-end development of a full-stack web application for academic and library management, transitioning from manual to digital processes, significantly enhancing operational efficiency.
- Developed and deployed two key applications:
- SIAKAD (Academic System): Digitalized processes such as course registration (KRS/KKS) and exam result announcements, eliminating the need for physical queues and manual submissions, saving time for students and administrative staff.
- Library System: Enabled students and staff to check book statuses (available/borrowed) online, reducing the need for in-person inquiries and improving access to library resources.
- Utilized technologies such as PHP for back-end development, MySQL for database management, and HTML/CSS/JavaScript for front-end interfaces.
- Enhanced communication efficiency, allowing announcements, news, and articles to be shared online with students, replacing traditional bulletin boards and ensuring timely dissemination of information.
- Improved the student experience by enabling online access to services such as academic records and library systems, reducing physical visits to campus for administrative purposes.
- Collaborated with academic staff to digitize existing records, ensuring accuracy and a smooth transition to the digital system.
- Trained end-users, including staff and administrators, to utilize the system effectively, increasing adoption rates and reducing reliance on outdated methods.

EDUCATION & CERTIFICATIONS

FULL STACK JAVASCRIPT BOOTCAMP
2020 - 2020
Javascript, React Js, Express Js Course

STT JABAR ELECTRICAL ENGINEER
2013 - 2017

**SMK BHAKTI NUSANTARA 666
SOFTWARE ENGINEER**
2010 - 2013

EXPERTISE

- Front-End: React.js, Next.js, Redux, React-Query, Tailwind CSS
- Back-End: Node.js, Express.js, PHP, Laravel
- Testing: Jest, React-Testing-Library, Enzyme
- Tools: Git, SonarQube
- Design & Collaboration: Figma, Agile, Jira