Bona Brian Siagian

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SUMMARY

Full-stack engineer with 4+ years of experience using a range of Front-end and Back-end technologies like Java/Kotlin (Spring), PHP (Laravel), and JavaScript/TypeScript (Vue, React). As a Full-Stack Developer, I am responsible for designing, developing, and maintaining software that meets technical specifications and business requirements. I understand the importance of delivering high-quality products that not only meet technical requirements but also provide tangible business value. To achieve this, I work closely with organizations to understand their unique needs and requirements, and I utilize my technical expertise to deliver customized solutions that drive business outcomes.

WORK EXPERIENCES

Front-end Engineer   Jakarta

Mekari - Sign   Full-time | Mar 2024 – Present

- Enhanced digital signing UI/UX to support document signing, approvals, and interactions, with a responsive design ensuring seamless accessibility across devices.
- Reduced document load times and improved performance by implementing efficient rendering techniques for large PDFs.
- Maintained and refined the in-house Design System Language to ensure consistent UI/UX across all features.
- Developed reusable, high-quality UI components for document management and collaboration, boosting maintainability and scalability.
- Built real-time document collaboration with pinned comments, optimizing event handling and state management for smooth concurrent interactions.
- Integrated OneDrive for seamless document uploads.
- Implemented comprehensive unit tests, achieving over 75% test coverage.

Full-stack Engineer   Singapore

Yummy Bros   Freelance | Dec 2023 – Present

- Expanded application capabilities through the implementation of additional features aligned with evolving business requirements.
- Utilized Next.js to code the Storefront, implementing Server-Side Rendering (SSR) for enhanced performance and user experience.
- Developed a dynamic Users Dashboard (CMS) with React.js, elevating the interface and usability for content management.
- Developed robust APIs to seamlessly connect the Storefront and CMS, ensuring efficient data communication and exchange.
- Currently migrating from JavaScript to TypeScript, enhancing codebase maintainability, scalability, and type safety.
- Currently transforming the styling infrastructure by migrating from Bootstrap to Tailwind CSS.
- Build reusable UI components.

Full-stack Engineer   **Jakarta**

PT Investree Radhika Jaya   Full-time | Nov 2020 – Mar 2024

- Designed, developed, and maintained high-performance, robust, and scalable server-side applications using Kotlin (Spring) for the back-end, PHP (Laravel) for legacy systems, and JavaScript (Vue) for front-end development.
- Collaborated closely with cross-functional teams, including designers and product managers, to ensure seamless integration and implementation of new features.
- Developed a flexible and configurable loan automation process that efficiently streamlined business operations, reducing the duration of the process by 61%, resulting in a substantial time reduction from 22.13 hours to 8.70 hours. This improvement increased the business capacity by 175%. Furthermore, the automation eliminates 132 clicks per loan process and replaces 49 manual data inputs.
- Developed and maintained APIs that are widely used by our partners, facilitating seamless collaboration and integration with their systems.
- Contributed to the development of technical standards, best practices, and design patterns.
- Developed Borrower Registration & Data Completion flow form within the Partner Dashboard utilizing Vue.js while also creating reusable components. This feature facilitates a seamless process, ensuring smooth data submission and validation.
- Actively participated in code reviews, providing valuable feedback and ensuring adherence to coding standards, best practices, and quality assurance.
- Conducted comprehensive unit testing on all new features and enhancements, ensuring a minimum of 80% coverage for both the back-end and front-end components.
- Resolved technical issues in a timely and efficient manner.
- Deliver delightful UX and performant front-end software.
- Build reusable UI components.
- Adhered to an agile methodology for the software development process.
- Integrated with various third-party services and APIs, including digital signature, document generation, and payment systems, to add additional functionality to applications.
- Maintained and updated documentation for the software development process.

Full-stack Engineer   **Jakarta**

PT Varnion Technology Semesta   Full-time | Jun 2018 – Aug 2020

- Refactored legacy code to adhere to modern design patterns, ensuring the maintainability and longevity of software systems.
- Optimized database structure to improve performance and scalability, reducing latency and downtime.
- Enhanced a network monitoring Telegram bot using PHP (Slim) to improve its functionality and performance.
- Integrated Elasticsearch into our network monitoring system, leading to a 30% improvement in load times and enabling real-time data visualization.
- Created a company profile and careers page using a combination of JavaScript frameworks (Vue and React) for the Front-end and PHP (Laravel) for the API and CMS components.
- Conceptualized and designed innovative features to enhance the company's products, providing a competitive advantage and improved user experience.
- Mentored and guided junior developers on best practices, coding standards, and software development methodologies.

- Stayed current with emerging technologies and industry trends to continuously improve software systems and capabilities.
- Developed an internal data management application using PHP (Laravel) to effectively handle data-related tasks within the organization.

EDUCATION

Universitas Komputer Indonesia, Bandung   September 2013 - April 2018
Bachelor's of Information Technology
GPA: 3.11/4.0

SKILLS

- Programming Languages: Kotlin, Java, PHP, TypeScript, JavaScript
- Frameworks: Spring, Laravel, Vue, React, Next.js, Tailwind CSS, Bootstrap

- Tools and Technologies: Git, Jenkins, Postman, Elasticsearch, RabbitMQ
- Databases: MySQL, PostgreSQL, Redis
- Testing: Unit Test, Jest, PHPUnit

PROJECTS

snxtw (https://snxtw.bonabrian.com)
Next.js starter template bootstrapped by Tailwind CSS and Typescript setup with useful development features.

Wikas (https://wikas.id)
Wikas is News Portal like kumparan.com
I develop this application using Laravel, Vue.js, and Bootstrap

Nazar (https://nazar.id)
Nazar is a multivendor e-commerce store.
I work as an Android developer
- Developed using Kotlin
- Using Retrofit to communicate with API
- Integrated with 3rd party services like Google Maps, Espay, Rajaongkir

More projects can be found on
bonabrian.com/projects

LANGUAGES

- Bahasa Indonesia
- English