

# Bona Brian Siagian

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## SUMMARY

Full-stack engineer with 4+ years of experience using a range of Frontend and Backend technologies like Java/Kotlin (Spring), PHP (Laravel), Javascript/Typescript (Vue, React).  
Developed scalable software with specifications and business requirements. Perform technical analysis and testing to deliver business value through quality software.

## WORK EXPERIENCE

**Full Stack Engineer** at Investree November 2022 - Present

- Mainly working in Kotlin (Spring) for Back-end and PHP (Laravel) for Legacy and Javascript (Vue) for Front-end.
- Work with Product Managers, QA, and other developer team members to plan new features or tech enhancements.
- Built configurable loan automation process to improve business operations using RabbitMQ that eliminates 132 clicks per loan process, eliminating 49 manual data input.
- Perform unit tests for every new feature and enhancement at least 80% coverage both back-end and front-end.
- Centralized structured logging to provide monitoring, auditability, business metrics and service metrics (Elastic Search, New Relic).
- Continuous integration and delivery with Jenkins and Git.
- Move storage into proper and more secure.
- Help establish technical standards, best practices, and design patterns.
- Responsible for performing code reviews.
- Deliver delightful UX and performant front-end software.
- Build reusable UI components.
- Followed agile methodology for application development process.
- Integrated with 3rd party services for digital signature, generating documents, and payment system.

**Full Stack Engineer** at Varnion June 2018 - August 2020

- Maintain & update old codebases to the latest framework and establish design patterns.
- Define and restructure the database schema to minimize data redundancy and enhance performance.
- Improved a Telegram bot using PHP (Slim) for network monitoring.
- Implemented elastic search for network monitoring that increases 30% load time and rendered data visually in real time and using Redis for caching.
- Created a company's profile and careers page using Javascript (Vue and React) for Front-end and PHP (Laravel) for API and CMS.
- Identify and design new features for the company's products.
- Coded an internal application for data management using PHP (Laravel).

## EDUCATION

**Universitas Komputer Indonesia, Bandung**

Bachelor's of Information Technology  
GPA: 3.11/4.0

September 2013 - April 2018

## SKILLS

- Java, Kotlin, PHP, Javascript, Typescript
- Spring, Laravel, Vue, React, Node.js, JSON, JQuery
- HTML5, CSS, SASS, Bootstrap
- Redis, RabbitMQ, Elastic Search
- Git, Jenkins, Jira, Unit Testing
- Databases, SQL, MySQL, NoSQL
- Agile, Scrum, Continuous Delivery

## PROJECTS

### **Transaxi** (Personal Project)

Transaxi is multi vendor marketplace that I created to improve my full stack development skill and I work as full stack engineer

- Architected system and database structure
- Implemented Midtrans Payment Gateway, Rajaongkir, Google Maps API
- Wrote using Laravel for backend (My plan to migrate using Golang) and Vue.js for frontend
- Using RabbitMQ for queue system and Redis for caching

### **Yummy Bros** (<https://yummybros.com>), Singapore

Yummy Bros is an on-demand healthy food delivery service and provides Asian dishes that are healthier, nutritionally transparent, affordable, and tasty.

Working as frontend developer

- Coded Storefront using Next.js, applied SSR (Server-Side Rendering)
- Built Back Office (CMS) using React.js
- Using Bootstrap as styling CSS framework

### **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 multi vendor ecommerce store.

I work as 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](https://bonabrian.com/projects)

## LANGUAGES

- Bahasa Indonesia
- English