

Brandon Julio Thenaro

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WORK EXPERIENCES

Senior Software Engineer

May 2024 – Present

Farmio

Singapore

- Architected and implemented S3 storage optimization pipeline, reducing costs by 48% and saving \$180K annually while maintaining 99.99% data durability.
- Led end-to-end frontend modernization initiative, migrating legacy design system to shadcn/ui; achieved 100% improvement in Core Web Vitals and 3x developer velocity.
- Orchestrated cross-functional collaboration between design, product, and engineering teams, establishing agile feedback loops that accelerated feature delivery by 25% and reduced iteration cycles from 2 weeks to 10 days.
- Established technical mentorship program, coaching 4 junior engineers; 2 promoted to mid-level within 18 months, reducing team onboarding time by 50%.
- Diagnosed and resolved critical system bottlenecks in order processing pipeline, implementing distributed caching strategy that improved throughput by 60% and reduced P99 latency from 2.3s to 800ms.

Software Engineer

Jul 2023 – May 2024

Farmio

Singapore

- Engineered AI-powered order processing system integrating OpenAI API with WhatsApp Business API, transforming unstructured chat messages into structured orders and reducing manual processing time by 30%, saving 20+ engineering hours weekly.
- Designed and built 3 B2B SaaS portals from ground up, serving 50+ enterprise clients with 100+ daily transactions; architected multi-tenant architecture handling peak loads of 500 concurrent users with 99.9% uptime.
- Conducted security audit identifying 12 critical vulnerabilities in payment flows and authentication systems; implemented remediation measures that reduced attack surface by 40% and achieved SOC2 compliance readiness.
- Drove QA automation initiative, establishing testing frameworks that reduced production bug rate by 15% and improved customer satisfaction scores from 4.1 to 4.6/5.0.
- Optimized React Native CI/CD pipeline using GitHub Actions caching strategies, cutting build times by 40% from 25 minutes to 15 minutes and accelerating release cycles from weekly to daily deployments.

Full Stack Engineer (RnD Staff)

Aug 2021 – Aug 2023

Bina Nusantara University

Jakarta

- Spearheaded performance optimization of Laravel and Next.js applications, implementing Nginx tuning and Laravel Octane migration; scaled system to handle 500 concurrent users and 2,500 daily active users with sub-200ms response times.
- Established containerized deployment infrastructure using Docker, reducing deployment time from 3 hours to 45 minutes and eliminating environment inconsistencies across development, staging, and production.
- Conducted database optimization initiative, refactoring 50+ slow queries and implementing indexing strategy; reduced average server response time by 5 seconds and improved throughput by 3x.
- Designed and implemented real-time notification system using WebSockets, enabling instant updates for 2,500+ active users and increasing engagement metrics by 35%.

Full Stack Engineer (Programmer Intern)

Sep 2021 – Jul 2022

Bina Nusantara University

Jakarta

- Developed end-to-end thesis administration platform using Laravel and MySQL, streamlining approval workflows and group formation; reduced processing time by 30% and eliminated paper-based processes for 500+ students annually.
- Established testing culture by implementing PHPUnit test suites achieving 75% code coverage; detected 40% of bugs pre-release and reduced post-deployment issues by 35%.
- Architected Linux server deployment infrastructure with Nginx and Supervisor, implementing CI/CD pipelines that enabled zero-downtime deployments for 500 concurrent users.
- Led technical documentation initiative, creating developer guides and API documentation that reduced onboarding time for subsequent team members by 25%.