Zikri Akmal Santoso

Software Engineer

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SUMMARY

Software engineer with 7 years of experience building mobile, web and backend systems for banking, multifinance and fintech companies in Indonesia and Malaysia. Specialises in React Native and React, embedded banking SDKs, and modernising legacy codebases, with measurable results: 30% faster app performance, 40% smaller app size, an A rating in SonarQube and Snyk, and unit test coverage raised from 0 to 30%.

EXPERIENCE

Alliance Bank Malaysia Berhad (via AppFuxion) — Jan 2024 – Present
Software Engineer — Kuala Lumpur, Malaysia · Remote

- Build and maintain the **Virtual Credit Card (VCC) SDK** embedded in Alliance Online Mobile and partner apps, as part of Group Digital Transformation's Embedded Banking team.
- Migrated the existing SDK product to a new **React Native** technology stack.
- Built Flutter and React Native bridges to the VCC SDK, with native service interfaces in **Swift** and **Kotlin**.
- Refactored legacy React code from class to functional components and modernised lifecycle and state management, improving performance and developer experience.
- Introduced a Git Flow branching strategy for the front-end team.
- Wrote technical documentation (flowcharts, partner integration guides, build and branching guides) that shortened onboarding for new engineers.
- Work with product owners, project managers, business analysts and DevOps.

React Native · React · Angular (Cordova) · Vert.x (Java) · Flutter · Swift · Kotlin

PT Adira Dinamika Multifinance Tbk (Adira Finance) — Sep 2022 – Dec 2023
Digital Engineering Specialist — South Jakarta, Indonesia · Hybrid

- Built and maintained features for the **Adiraku** mobile app and its Angular admin panel in the Digital Center of Excellence.
- Revamped the app UI and restructured the codebase (functional components, custom hooks, consistent design patterns), improving app performance by **30%**.
- Upgraded React Native to a new major version, fixing code smells, bugs and security hotspots to reach an **A rating in SonarQube and Snyk**.
- Made iOS distribution **30% faster** by patching dependencies and reconfiguring the Podfile.
- Cut app size by **40%** by optimising assets and moving to Android App Bundle (AAB) builds.
- Raised unit test coverage from **0% to 30%**.
- Worked with the scrum master, product owner, UI/UX, QA and DevOps teams.

React Native · React · Node.js · Angular · SonarQube · Snyk

PT Global Investa Cakrawala — Mar 2021 – Sep 2022
Full-Stack Developer — South Jakarta, Indonesia · Hybrid

- Rebuilt the GIC trading and wallet management portal end to end: dashboard, auth, loyalty, wallet and withdrawal services, using a service-repository pattern in **Laravel**.
- Integrated payments with **BCA** and the **Duitku** payment gateway.
- Migrated several services from the Laravel monolith to **Go (Gin) microservices**, and built an NFT marketplace service in Go with the blockchain team.
- Set up CI/CD with Bitbucket Pipelines and Jira automation, improving developer experience by **30%**.
- Maintained the Primadax crypto exchange (Angular, Java Play Framework).

PHP (Laravel) · Go (Gin) · Angular · Java (Play) · Bitbucket Pipelines

PT Lunata Teknokindo Group Aug 2019 – Mar 2021

Junior Software Developer Medan, Indonesia · On-site

- Built a full-stack inventory and asset management system for **PLN** from scratch: API, Android app and web dashboard.
- Built a full-stack logsheet system for PLN tools and assets: API, Android app (Kotlin) and web dashboard.
- Maintained and extended the employee management system for the Labuhanbatu Utara regency.

PHP · Java · Kotlin · Android

SKILLS

Languages	JavaScript, TypeScript, Java, Kotlin, Swift, Go, PHP
Mobile & front end	React Native, React, Next.js, Angular, Native Android, Flutter (SDK bridges)
Back end	Node.js, Vert.x, Laravel, Gin, Play Framework
Data & messaging	PostgreSQL, MySQL, MongoDB, Kafka
DevOps & tools	Docker, Kubernetes, Nginx, Linux (Ubuntu, CentOS), shell scripting, CI/CD, Git (GitHub, GitLab, Bitbucket, Gerrit)
Quality	Unit testing, SonarQube, Snyk, Kibana
Ways of working	Scrum, Jira, Trello, technical documentation
Spoken languages	Indonesian (native), English

EDUCATION

Master of Informatics Engineering, Universitas Sumatera Utara · GPA 3.74 2020 – 2024

Bachelor of Computer Science, Universitas Sumatera Utara · GPA 3.55, cum laude 2015 – 2019