Singgih Budi Purnadi

FRONTEND & MOBILE DEVELOPER

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Summary

I do not just build investment apps—I use them daily.

4+ years developing financial and infrastructure applications while managing real portfolios in stocks, crypto, and futures. When existing investment tools did not meet my needs, I built my own: futures position calculator, portfolio tracker with P&L analytics, automation scripts for market monitoring.

Currently Frontend & Mobile Developer at Bursa Investasi Digital (stock trading platform), designing interfaces for retail traders while trading myself. Value investing approach inspired by systematic methods—not gut feeling, but data-driven decisions.

Career journey through three domains:

- **Decentralized Finance (2021-2023):** Built DEX platform (Uniswap/PancakeSwap model) with staking, farming, and token swap features at Litedex
- I**nfrastructure Tech (2023-2024):** GIS-based toll maintenance system at Jasa Marga
- **Stock Trading (2024-present):** Mobile trading interfaces and admin dashboards at Bursa Investasi Digital

This cross-domain path taught me financial systems from multiple angles— DeFi protocols, complex asset management, and centralized trading platforms. The combination makes me effective at building fintech products because I understand both the technical architecture and user psychology.

Experience

Bursa Investasi Digital | Frontend & Mobile Developer   **August 2024 – Present**

- Architected and delivered integrated 3-product ecosystem: backoffice web application for administrative management, analyst mobile app for publishing free/paid stock signals, and investor mobile app enabling direct stock and bond trading with signal consumption

- Built backoffice web application (Next.js App Router) managing core exchange operations including user administration, transaction settlement, bond product catalog, promotional campaigns, and real-time analytics dashboards with interactive charts and data tables

- Developed investor mobile application (Expo/React Native) with streamlined onboarding and multi-step KYC workflow (ID verification, selfie capture, NPWP registration, bank account linking, risk profile assessment), enabling users to execute trades and manage diversified portfolios across stocks and bonds

- Delivered analyst mobile application (Flutter) with BLoC architecture pattern supporting signal management, channel analytics, subscriber tracking, and cash-out workflows for analyst monetization

- Implemented reusable UI system with standardized form controls, modals, bottom sheets, charts, and data tables ensuring consistent user experience and design language across web and mobile platforms

- Optimized performance for list and data-heavy screens (portfolio views, transaction history, signal feeds) ensuring smooth interactions and rapid load times on lower-end devices common in Indonesian market

- Collaborated cross-functionally with product, QA, and operations teams through agile sprint ceremonies to ship features meeting regulatory compliance requirements and project deadlines

Jasamarga (Persero) Tbk | Frontend Developer   **August 2023 – July 2024**

- Built asset-monitoring dashboard for toll infrastructure enabling real-time tracking of asset locations, maintenance status, and operational costs through interactive maps (React + Leaflet integration)

- Implemented comprehensive maintenance workflow UI featuring progress tracking, cost management, document/photo uploads, and approval workflows to streamline audit processes and accelerate operational approvals

- Optimized dashboard performance and load times for data-heavy maps and large-scale tables ensuring consistent responsiveness during field operations with thousands of assets

- Ensured cross-browser compatibility and WCAG accessibility standards across dashboard components supporting multi-role user base (operators, supervisors, managers)

- Drove SIT/UAT readiness including comprehensive testing protocols, defect triage, and fix verification aligned with enterprise banking-grade delivery standards

- Partnered directly with Jasa Marga's dedicated asset development division to align product features with operational requirements and deliver solutions meeting specific infrastructure management needs

- Digitized legacy Excel-based maintenance workflows into structured web application with multi-step data input forms, real-time validation, and document management for complete asset lifecycle tracking

Litedex Digital Indonesia | Frontend Developer & UI Designer   **July 2021 – July 2023**

- Built multi-chain DeFi platform (Next.js) enabling staking and farming mechanisms across BSC, Ethereum, Polygon, and Huobi Global, with real-time TVL (Total Value Locked) tracking through optimized API routes for price feeds and on-chain data integration

- Engineered Web3 wallet onboarding supporting MetaMask, WalletConnect, Coinbase Wallet, Fortmatic, and Portis via custom Web3Modal and web3-react implementation, streamlining user flow from wallet connection to transaction execution

- Developed comprehensive DEX swap interface featuring token swaps, liquidity provision (add/remove positions), pool management, dynamic token lists, and intelligent price routing across supported blockchains

- Implemented Cypress E2E test suite covering critical trading flows (swap, pool operations, add/remove liquidity, migration) to ensure platform stability and transaction reliability

- Architected responsive marketing homepage and landing pages with brand asset integration, whitepaper distribution system, and comprehensive i18n support with SEO optimization for organic growth

- Executed ICO and Private sale campaign initiatives by designing conversion-optimized landing pages with mobile-first approach and cross-browser compatibility

- Designed granular UX feedback system throughout transaction lifecycle (modals, toast notifications, status indicators) guiding users through approve → confirm → success/failure states with clear error handling

Education

STMIK IKMI Cirebon, Bachelor's degree   **2019-2023**

Major: Information Technology

Grade: 3.59 out of 4.00

Skills

- Next Js
- React Js
- React Native Expo
- Typescript
- Figma
- Flutter
- Postgree
- Docker
- Git