Tiarro Elprida Tamba
Frontend Web Developer

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INTRODUCTION

Frontend Web Developer with 4 years of experience building scalable and responsive web applications using React, Next.js, and modern Javascript tools/frameworks.Successfully implemented modern state management solutions (Zustand, MobX, React Hooks) to simplify complex UI workflows and improve maintainability. Key achivement: collaborated with 6+ product teams and backend developers to execute new features and create API endpoint's request/response payloads. Passionate about clean code, performance, and delivering high-quality user experiences

PROFESSIONAL EXPERIENCE

React Developer, Hamonix Teknologi Peentar   January 2022 - Present

- Developed responsive and dynamic web applications using React.js and Next.js
- Architected scalable state management and reusable UI logic using Zustand/MobX and custom React hooks
- Optimized performance through lazy loading, memoization, code splitting, and search debouncing
- Managed CI/CD pipelines and deployment processes using Jenkins for seamless delivery
- Collaborated with UI/UX designers via Figma to build high-fidelity components and ensure seamless responsiveness across all device breakpoints and Back-end teams to integrate RESTful APIs
- Ensured code quality through active code reviews and proactive bug resolution from Tester to enhance user experience

PROJECT EXPERIENCE

Back Office Frontend (Mercubuana)   November 2024 - Present

- Developed comprehensive General Ledger module for multi-campus educational institution using Next.js 16 + TypeScript, serving 8+ microservices with 508+ lines of complex state management
- Implemented 4 core accounting features: Jurnal Entry (CRUD + bulk operations), Neraca (balance sheet), Neraca Percobaan (trial balance), and Laba Rugi (profit & loss) with real-time data validation
- Optimized performance for large-scale datasets using virtual scrolling, lazy loading, and debounced search, handling thousands of financial transactions per period
- Built custom component library with PrimeReact + TailwindCSS, implementing responsive design system with skeleton loaders and smooth transitions
- Integrated RESTful APIs with full TypeScript type safety, centralized error handling, and support for PDF/Excel export functionality
- Architected state management using Zustand for global state and React hooks for local state, ensuring predictable data flow across complex accounting workflows

ILK (Hutang Dagang)   October 2025

- Developed a comprehensive back-office management system using Next.js 14, Zustand, serving as the central interface for multiple business operations including accounting, organization management, partner relations, and governance
- Created scalable frontend architecture supporting multiple business domains
- Improved developer productivity through reusable components and standardized patterns
- Established comprehensive code quality standards and automated workflows
- Built responsive, accessible interface following modern web development best practices

Shopfloor HMI (Human Machine Interface)   August 2025

- Developed a sophisticated web-based HMI system using React 18.3.1 and Typescript for manufacturing environments, enabling real-time monitoring and job management across industrial machines
- Built a web-based HMI interface with machine-specific job and monitoring views
- Visualized job progress and status via Chart.js doughnut charts
- Developed responsive UI components using PrimeReact and Tailwind utilities
- Implemented real-time updates using STOMP.js + SockJS WebSocket subscriptions
- Managed application state with MobX across machine and job workflows

SKILLS

- **Programming Languages**: JavaScript, Typescript
- **Frameworks & State Management:** React.Js, Next.Js, MobX, Zustand
- **Development & Testing Tools:** Git, GitLab/Github, WebStorm, Visual Studio Code, Postman, Swagger, Figma
- **Library UI & Code Quality**: ESlint, Prettier, SonarQube, SASS/SCSS, Tailwind CSS, Material UI, PrimeReact, Shadcn/UI
- **Soft Skills**: Collaboration, Detail-oriented, Problem-Solving

EDUCATION

Institut Teknologi Del – Laguboti, Sumatera Utara   2018 - 2021

Diploma 3 of   Technology Information