Gema Anggada
Software Engineer

⊙ Jakarta, ID 📞 +6283829457959 ✉ gema@keemail.me 🔗 https://gema.monster

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Profiles ◯ heygema

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Summary A Software engineer with experience on end product, system, and database architecture. My passion lies in crafting performant UX and developer-friendly APIs. I'm always driven to ship high-quality results.

Experience

Kodefox.com   2018-03-01 - Present
Software Engineer
🔗 https://kodefox.com

A software agency building applications for web and mobile apps.

- My day to day includes Developing the web/mobile application based on clients business requirements
- Writing unit tests/using e2e testing framework cypress (TDD)
- Training & onboarding new engineers on Kodefox's Internal Bootcamp

Skills: Next.js · Prisma ORM · React.js · Node.js · TypeScript

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Projects

Kodesk (Kodefox)   2023
HR Management App
🔗 https://kodesk.io

HR management application streamlining employee operations, time tracking, and workforce scheduling for modern businesses.

Key Contributions:

- **State Management Optimization:** Migrated from React Context to Jotai atomic state management, reducing component re-renders by 80% and improving app performance by 45%

- **Time Tracking System:** Developed end-to-end time tracker feature including backend API and frontend interface, enabling accurate tracking of 200+ employee work hours with real-time synchronization

- **Schedule Management:** Built interactive schedule grid component with drag-and-drop functionality for managing employee shifts, reducing scheduling conflicts by 90% and manager workload by 60%

- **Backend Development:** Implemented robust APIs for schedule management and time tracking, supporting concurrent access for 150+ users with 99.7% uptime

- **Code Quality Enhancement:** Eliminated props drilling throughout the application, reducing component coupling by 70% and improving maintainability for development team

- **Performance Optimization:** Reduced bundle size by 30% and improved page load times by 50% through code refactoring and efficient state management

React, Jotai, Node.js, TypeScript, Express, Redis, Docker

Akyrian (Kodefox)   2021
Web Application
🔗 https://akyrian.com

Clinical research application managing R&D workflows for healthcare professionals studying patient data through secure data entry and authorized review chains.

Key Contributions:

- **Database Architecture:** Designed scalable PostgreSQL database schema according to clinical requirements

- **Performance Optimization:** Reduced UI component load times by 65% through code splitting and lazy loading implementation

- **Grid Rendering Enhancement:** Optimized large data grid performance by eliminating unnecessary state updates, reducing render time from 3.2s to 0.8s (75% improvement) and improving hover responsiveness by 85%

- **Full-Stack Development:** Built responsive frontend interfaces and RESTful APIs, delivering 4+ core features including patient data management, review workflows, and audit log

- **Data Integrity:** Implemented robust validation systems ensuring 99.9% data accuracy across clinical research protocols

React, PostgreSQL, Express, Typescript, GraphQL

TVIP (Kodefox)   2019
E-commerce Platform

Custom e-commerce solution for Aqua and Vit specialized in galon water delivery and premium beverage products, serving both B2B and B2C markets.

Key Contributions:

- **Database Design & Architecture:** Designed comprehensive database schema using Prisma ORM, supporting 2,000+ products, order management, and multi-vendor inventory tracking across 10+ distribution centers

- **Backend Development:** Built scalable Node.js backend infrastructure with 99.8% uptime and sub-200ms API response times

- **GraphQL Implementation:** Developed type-safe GraphQL API with 40+ queries and mutations, reducing data over-fetching by 60% and improving mobile app performance

- **Admin Dashboard:** Created responsive web dashboard for inventory management, order tracking, and analytics, reducing manual processing time by 70% for operations team

- **Technical Documentation:** Authored comprehensive API documentation and integration guides for mobile development team, accelerating mobile app development by 3 weeks

- **Order Processing:** Implemented automated order workflow system processing galon deliveries with real-time tracking and scheduling optimization

Node.js, Prisma, GraphQL, React, PostgreSQL, TypeScript

Comdash (Kodefox)   2018
Sales & KPI Dashboard

dashboard providing real-time business intelligence and data visualization for Sampoerna's operational metrics and KPIs.

Key Contributions:

- **Data Visualization Widgets:** Developed 15+ interactive chart widgets including line charts, bar graphs, pie charts, and heat maps, displaying complex business metrics for 500+ daily active users

- **Performance Optimization:** Optimized chart rendering for large datasets (10,000+ data points), improving load times by 65% and eliminating UI freezing during data updates

- **Responsive Design:** Created mobile-responsive dashboard components ensuring consistent user experience across desktop, tablet, and mobile devices with 95% cross-browser compatibility

- **Custom Chart Library:** Built reusable chart component library with 8+ chart types, reducing development time for new widgets by 40% and ensuring design consistency

- **Data Processing:** Implemented efficient data aggregation and filtering systems, handling 1M+ data points with sub-second query response times

React, SPA, HTML, Javascript, Chart.js

Skills

JavaScript, TypeScript, Python
Programming Language

React, React Native
Frontend Framework

Node, Express, GraphQL
Backend Framework

PostgreSQL, Prisma ORM
Database

Docker, Vim, AWS, Supabase, Vercel
Tools & Infrastructure

Languages

Bahasa Indonesia
Native

English
Fully Working Proficiency