

# NASUTION

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## PROFESSIONAL SUMMARY

Fullstack Engineer with 6+ years of experience architecting and delivering end-to-end applications in high-paced environments across Southeast Asia and Europe. Specializing in frontend development with React/Next.js and scalable backend engineering using Golang (Singapore) and Node.js (Malaysia). Proficient in PostgreSQL and MongoDB, with clean code principles, CI/CD, cloud deployment (AWS, GCP, Azure), and agile delivery. Demonstrated ability to lead cross-functional teams, optimize performance, and build secure, maintainable, and production-ready systems at scale.

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## OBJECTIVE

To bring full-stack impact to a global product team by shipping secure, scalable, and user-first platforms using my cross-functional expertise in React, Golang, Node.js, PostgreSQL, MongoDB, Firebase, Clerk, and Prisma.

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## PROFESSIONAL EXPERIENCE

### Senior Frontend Engineer

*Elephit Limited – London (Remote)*

**2025 – 2025**

- Developed a modern SaaS teleprompter platform using Next.js, React Query, Tailwind CSS, and TypeScript, focusing on real-time responsiveness and cross-device compatibility.
- Design and architect the application with clean architecture.
- Wrote unit tests to ensure reliability and prevent regressions using Jest and React Testing Library.
- Built and maintained a companion mobile application using React Native.
- Participated in UI optimization for SEO and accessibility.
- Conducted frontend performance testing and browser behavior profiling using Lighthouse and Chrome DevTools.

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- Collaborated with product and backend teams to deliver seamless integration.
  - Managed staging and production deployments, code reviews, and CI/CD workflows via GitHub.

## **Fullstack Engineer**

*Skilledin – Singapore (Remote)*

**2022 – Present**

- Developed multiple B2B and B2C platforms such as a job portal, LMS, skills marketplace, and super-admin dashboard using React.js, Redux, Tailwind CSS, Ant Design, and React Query.
- Designed and implemented backend services using Golang with the Go Fiber framework, supporting modules like user profile management, job postings, course enrollment, and admin reporting.
- Design and architect the application with clean architecture.
- Integrated payment gateway (Stripe) APIs to enable smooth and secure financial transactions across the marketplace.
- Built and maintained a scalable UI component system using Storybook, improving development efficiency and consistency.
- Wrote comprehensive unit and integration tests for both frontend and backend modules using Jest and built-in Go testing packages.
- Conducted a comprehensive frontend audit, reducing total JS bundle size by 32%, eliminating 631 dead code lines, and removing unused variables, libraries, and files across the codebase.
- Compressed significant assets and implemented WebP image optimization, improving load time by up to 86% on high-traffic pages.
- These optimizations improved Core Web Vitals (LCP/TTI) and achieved green Lighthouse scores for job role and member directory pages.
- Modeled and maintained MongoDB schemas to ensure flexibility in handling diverse content types, with optimized indexing for search and filter operations.
- Integrated enterprise-grade authentication and authorization using Azure AD B2C, supporting multi-tenant user roles and SSO functionality.
- Conducted frontend profiling, performance optimization, and DOM rendering analysis using Lighthouse and Chrome DevTools.
- Participated in UI optimization for SEO and accessibility.
- Actively contributed to daily standups, sprint planning, and remote agile collaboration via Microsoft Teams.
- Collaborated in remote agile teams (ID–SG timezone), contributed to sprint planning, and maintained code quality via GitHub PRs and CI workflows.

## **Frontend Engineer**

*Amoda – Indonesia (Remote)*

**2022 – 2023**

- Developed a property marketplace web application enabling users to search, rent, and purchase commercial properties.
- Built dynamic and responsive user interfaces using Next.js and Tailwind CSS for optimal experience across devices.
- Integrated GraphQL API for efficient data fetching and improved state handling.
- Contributed to component refactoring to enhance code maintainability and performance.
- Participated in UI optimization for SEO and accessibility.
- Participated in daily scrums and asynchronous collaboration using GitHub for pull requests and code reviews.
- Wrote unit tests to validate feature behavior and API integration using Jest and React Testing Library.
- Participated in agile sprints, implemented feedback from stakeholders, and handled version control and review processes through GitHub.

### **Fullstack Engineer / Team Lead**

*Nadihealth – Malaysia (Remote)*

**2021 – 2022**

- Led the full-stack development of a comprehensive e-hospital management system, covering real-time patient bookings, doctor schedules, telemedicine, pharmacy, and operational analytics.
- Architected and built backend services using Node.js and Express.js, implementing secure REST APIs for appointment scheduling, medical records, and pharmacy inventory modules.
- Designed and maintained MongoDB schemas with relational references to support flexible yet consistent patient–doctor–admin relationships.
- Designed and implemented real-time features such as live consultation, chat system, video calls via Zoom SDK, and booking calendar using modern frontend frameworks.
- Developed the central hospital management platform using React.js, Tailwind CSS, and TypeScript, ensuring responsive design and modular architecture.
- Built a dedicated frontend application for patients using Angular (Ionic), tailored for mobile-first use cases, including appointment booking and medical records access.
- Maintained staging and production environments with Git-based workflows, conducted code reviews via Bitbucket, and led sprint planning with Jira and ClickUp.
- Deployed and maintained the application across staging and production environments, supporting a smooth operational rollout.
- Wrote unit tests for real-time modules, including booking flows, telemedicine, etc, using Jest and React Testing Library.
- Participated in agile sprints, implemented feedback from stakeholders, and handled version control and review processes through GitHub.

## Fullstack Engineer

*Neekain – Indonesia (Remote)*

**2020 – 2021**

- Developed a SaaS platform for wedding event coordination, enabling clients and vendors to manage bookings, contracts, and timelines through responsive web interfaces.
- Built and maintained frontend components using React.js, Next.js, Redux, Tailwind CSS, and TypeScript, ensuring a seamless experience across admin and client dashboards.
- Developed backend services using Node.js and Express, including APIs for vendor registration, booking flow, and payment tracking.
- Designed and optimized PostgreSQL relational database schema to manage user roles, event packages, schedules, and transaction records.
- Implemented business logic for availability checking, deadline reminders, and booking state transitions, ensuring data consistency across modules.
- Collaborated with UI/UX designers to translate wireframes into production-ready components and applied mobile-first principles
- Maintained test coverage for key API endpoints and critical frontend interactions using Jest and Supertest.
- Participated in agile ceremonies, conducted code reviews via GitHub, and coordinated delivery timelines with the product team.

## Fullstack Engineer

*Ubaform – Indonesia (Remote)*

**2018 – 2021**

- Built a customizable SaaS platform for creating online forms, quizzes, and surveys, complete with real-time submission tracking, analytics, and access control.
  - Developed frontend components using React.js and Material UI, enabling drag-and-drop form builders, branching logic, and live preview features.
  - Designed and implemented backend logic using Node.js to handle form submissions, user session tracking, and access restrictions.
  - Utilized Firebase Realtime Database to store response data with low-latency updates and implemented Firebase Auth for secure user login and role-based access.
  - Added custom validation rules, conditional display logic, and export functionality to support diverse use cases from academic surveys to internal HR tools.
  - Improved data flow and performance with modular architecture and optimized state handling.
  - Collaborated with designers and product managers to ensure UI/UX consistency and stakeholder satisfaction.
  - Participated in continuous integration and GitHub-based code reviews, and delivered iterative features in biweekly sprints.
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## TECHNICAL SKILLS

### Frontend

- **Languages:** TypeScript, JavaScript (ES6+), HTML5, CSS3
- **Frameworks:** React.js, Next.js, React Native, Vue.js
- **Styling:** Tailwind CSS, Ant Design, Bootstrap, Material UI
- **Testing:** Jest, React Testing Library, Cypress
- **Tools:** Storybook, Lighthouse, Figma, Chrome DevTools

### Backend

- **Languages:** Golang (Singapore projects), JavaScript (Node.js – Malaysia projects)
- **ORM & DB Tools:** Prisma, Sequelize, Mongoose, GORM
- **API:** RESTful, GraphQL, gRPC
- **Authentication:** Clerk, Firebase Auth, JWT, OAuth2, Azure AD B2C
- **Payment Integration:** Stripe API

### Database

- **SQL:** PostgreSQL (relational, transactional workloads)
- **NoSQL:** MongoDB (document-based, flexible schema)

### DevOps & Cloud

- **CI/CD:** GitHub Actions, Bitbucket Pipelines
- **Containers & Infra:** Docker, Firebase Hosting, AWS EC2/S3, Azure Web Apps
- **Monitoring & Debugging:** Postman, Insomnia, Sentry

## ADDITIONAL CAPABILITIES

- Clean Architecture (domain-driven, modular)
- Realtime & Serverless Apps (Firebase, Socket.IO)
- Secure Auth with Clerk, JWT, and OAuth flows
- Database Modeling with Prisma & relational integrity
- Scalable Component Design (Storybook, Design Systems)
- Agile & Remote Dev: Jira, GitHub PR flow, Async standups

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## SOFT SKILLS

- **Collaboration & Remote Teamwork** – Experienced working in distributed teams across multiple time zones (UK, Singapore, Malaysia).
- **Communication** – Clear communicator in agile teams; fluent in asynchronous updates and technical documentation.
- **Problem Solving** – Strong debugging, profiling, and performance optimization mindset; proactive in tackling UI bottlenecks.
- **Leadership** – Led frontend team at Nadihealth; mentored junior engineers and coordinated sprints via Jira/ClickUp.
- **Attention to Detail** – Focused on pixel-perfect UI, cross-browser compatibility, and test coverage.
- **Time Management** – Delivered features consistently across fast-paced sprints while handling multiple codebases.

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## EDUCATION

### M.Sc., Computer Science

*Universitas Gadjah Mada, Indonesia*

2023 – 2025

Focus: Enterprise App Development, Data Science, Machine Learning.

### B.Sc., Informatics

*Islamic University of Indonesia*

2017 – 2021

Focus: Data Structures, Software Engineering, Algorithms.

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## SELECTED PROJECTS

### Skilledin Skill Marketplace Platform

Engineered a modular ecosystem of B2B/B2C platforms, including a job portal, skills marketplace, recruiter dashboard, and training manager system. Built using React, Ant Design, Azure AD B2C, Stripe, and Storybook.

- Super Admin: [master.skilledin.io](https://master.skilledin.io)

- Recruiter Dashboard: [recruiter.skilledin.io](https://recruiter.skilledin.io)
- Skill Marketplace: [green.skilledin.io](https://green.skilledin.io)
- Trainer Panel: [trainer.skilledin.io](https://trainer.skilledin.io)

As part of ongoing engineering excellence, I led a systematic performance refactor across the entire React-based frontend:

- Reduced bundle size by 32% via dynamic import, tree-shaking, and splitting.
- Cleaned 631+ lines of dead code, removed legacy files, unused components, and redundant state.
- Converted large images to WebP, compressing up to 86% of asset weight on key pages.
- Improved Core Web Vitals (LCP, CLS, TTI), resulting in faster UX and better SEO.
- Enhanced overall code quality and maintainability, improving team velocity in subsequent sprints.

### **Teleprompter SaaS Platform – Elephit**

Developed a responsive teleprompter web and mobile application using Next.js, Firebase, and React Native. Focused on real-time sync, cross-device support, and SEO optimization.

[Live Preview](#)

### **Amoda Property Marketplace**

Built the frontend of a commercial property marketplace with GraphQL-powered search, mobile responsiveness, and booking interaction.

[Live Site](#)