Tri Rahmat Gunadi

Tangerang, Indonesia

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Full Stack Developer with 8+ years of experience building scalable web applications using React, Next.js, Node.js, and TypeScript. Passionate about creating exceptional user experiences and implementing performant, clean code.

Technical Skills

Frontend
- JavaScript/TypeScript
- React.js
- Next.js
- Svelte
- HTML5/CSS3
- TailwindCSS
- Responsive Design
- Redux

Backend
- Node.js
- Express
- MongoDB
- PostgreSQL
- GraphQL
- RESTful APIs
- AWS

Tools & Methods
- Git/GitHub
- CI/CD
- Docker
- Jest/Testing Library
- Agile/Scrum
- Performance Optimization

Experience

jujiyangasli.com
2017 – Present

Creating web applications as a Freelance or monthly retainer. Notable projects were:

WheelEasy
2019 - 2025

wheeleasy.org is an access information web app for people with mobility needs, their families and friends.

- Convert the site from SPA (Created using Create React App) into SEO-Friendly pages using Next.js and Material-UI.
- Integrate Algolia for faster search result in the `explore` page, significantly reducing server load by offloading complex search operations to Algolia's dedicated infrastructure.
- Enhanced site security and performance by migrating DNS to Cloudflare, implementing WAF rules to protect against DDoS attacks while improving global content delivery.
- Designed scalable media infrastructure using self-hosted MinIO as an S3-compatible object storage solution, decoupling media handling from the application server to improve performance and reliability while enabling horizontal scaling.
- Engineered client-side image optimization using the WebP format with browser-native compression APIs, reducing bandwidth usage by up to 70%, decreasing storage costs, and improving page load times across the application.
- Implement role-based user auth mechanism and Access Controls for the site.
- Update/Created Admin Sections to manage users, data, and events. Empowering non-technical staff to efficiently manage user accounts, content moderation, and event management without developer intervention.
- Created mechanisms for Volunteers to be tracked based on participation in data collection, by assigning points as rewards for successful contributions.
- Created Hotspot sections as a way to group places based on custom polygonal-area, and the admin interface to manage them.
- Enhanced the user experience by implementing an asynchronous eager-upload system with progress tracking, reducing perceived waiting times by 90%.

Amber Video
2017

ambervideo is a platform to detect fake videos.

- Created the UI to detect the difference between edited and Original video, with visual cues depicting the difference in the frame.
- Manage Auth using Auth0 with RBAC.

bridestory.com
2014 - 2017

Internal-Application developer & Data engineer

Responsible in developing and maintaining internal applications like HR-employee application, Investor and Management Report App, and Bridestory's career page.

As a Data Engineer, I develop and maintain data warehouse, creating data pipeline to support operational aspects in finance, e-mail marketing, sales.

VISIOUS Graphic Studio
2011–2014

Responsible for Web Development Projects.

Education

University Of Indonesia
2011-2015

Master of Information Technology

Faculty of Computer Science
cs.ui.ac.id/en/magister-teknologi-informati/

University Of Indonesia
2003-2009

Undergraduate Program in Accounting

Faculty of Economics
feb.ui.ac.id/en/accounting/