

NICHOLAS WISE SARAGIH SUMBAYAK

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Informatics Engineering Sophomore at Institut Teknologi Bandung with a growing interest in data-driven software engineering. A curious and diligent tinkerer, currently deepening skills in full-stack web development.

Projects

INFEST 2025 Website (infestbdg.com)

- Designed and developed the official INFEST 2025 website (Next.js, TailwindCSS, TypeScript), providing event info, registration, and deck submission for 100+ participants; improved accessibility and responsiveness across 100% of tested devices.

TEDxITB 8.0 Website (tedxitb.id)

- Developed the official website for TEDxITB 8.0 as the central platform for 200+ attendees, featuring event information, speaker profiles, ticket registration, and real-time updates. Developed with the T3 Stack (Next.js, TypeScript, TailwindCSS, tRPC) and Prisma + PostgreSQL, ensuring scalable backend performance and seamless ticketing.

Lokasharana Website (lokasharana.com)

- Developed a gallery website for Lokasharana FSRD 2024, an appreciation event showcasing graduates of ITB's Faculty of Art and Design during the August Graduation Ceremony. Built with Next.js, Tailwind CSS, and Framer Motion for a dynamic frontend experience, integrated Cloudflare R2 and Prisma ORM for image storage and management, and implemented Zustand for seamless state management.

Education

Institut Teknologi Bandung - Bandung, Indonesia

Jul 2024 - Jul 2028 (Expected)

Bachelor of Informatics Engineering, 3.81/4.00

- Relevant Coursework: Algorithms and Programming, Computer Architecture, Data Literacy and Artificial Intelligence

SMAK 1 PENABUR Jakarta - Jakarta, Indonesia

Jul 2021 - May 2024

High School Diploma, 91.80/100.00

Work Experience and Organizations

KSEP ITB - Bandung, Indonesia

Apr 2025 - Present

Vice Director of Operations

- Led and contributed to the development of 4 professional websites for KSEP ITB, supervising a team of 4 while actively working on design, implementation, and deployment to ensure timely, high-quality results.

TEDxITB 8.0 - Bandung, Indonesia

Sep 2024 - Apr 2025

Frontend Developer

- Translated UI/UX designs from Figma to TailwindCSS and Next.js while providing attention to detail and design fidelity, enhancing merchandise shopping and event registration for over 200 users.
- Implemented secure authentication with NextAuth, enabling seamless login for 100+ registered users, and applied SEO optimizations in Next.js that increased organic search visibility by ~30%.

OSKM ITB 2025 - Bandung, Indonesia

Jul 2025 - Aug 2025

Backend Developer

- Developed and deployed RESTful API endpoints using Hono, Drizzle, and Zod, documented in OpenAPI format, supporting OSKM ITB 2025's companion app with 99% uptime for 1,500+ active users.

Skills and Technologies

- Programming Languages:** C, Python, TypeScript, Java, Go
- Frontend Development:** React, Next.js, TailwindCSS, React Query, Zod, Zustand, Motion
- Backend Development:** Express.js, Hono, Gin, PrismaORM, DrizzleORM, MongoDB, PostgreSQL, Supabase
- Other Tools:** Git/GitHub, Figma, Postman, Vercel, Netlify