

Jhoni Ananta Sitepu

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EDUCATION

Institut Teknologi Sepuluh Nopember

Surabaya, Jawa Timur

Undergraduate Student of Information Systems (Current GPA: 3.84/4.00)

Aug. 2022 – Now

- Related Coursework: Software Engineering, Mobile Programming, Web Development, Enterprise Systems, Predictive Machine Learning, Prescriptive Machine Learning

EXPERIENCE

Backend Developer Intern

July 2025 – Present

Peduly Indonesia

Surabaya, Indonesia

- Backend Development with Laravel: Built and maintained server-side logic for two full-scale web projects using Laravel, integrate with midtrans payment gateway also including RESTful API design, database migrations, and authentication.
- Production Deployment: Managed complete backend deployment on cPanel configuring environments, setting up domains and SSL, running migrations, and monitoring performance.
- API Integration & Collaboration: Actively worked with frontend developers to integrate Laravel APIs, troubleshoot issues, and optimize data flow for seamless user experiences.

Software Engineer

March 2025 – Present

Beta U (Software House)

Remote

- Beta U is a project-based software house specializing in custom software development. Consist entirely by ITS students, Beta U delivers end to end solutions from requirements gathering to deployment—on a per-project basis.
- Developed and deployed 2 production-level websites using Next.js, React.js, Typescript, React Query and Zustand state management also integrating responsive UI components with RESTful APIs to deliver high-performance user experiences
- Collaborated closely with UI/UX designers and back-end teams to ensure seamless system integration and consistent user interface designs.

Lead of Front End Developer

July 2024 – November 2024

Information Systems Expo 2024

Surabaya, Indonesia

- Responsible for leading a team of 13 frontend developers and actively doing quality assurance of the code
- Conducted bi-weekly design reviews for the work of 2 junior developers, providing constructive feedback and guidance to align their code with established principles
- closely with the 20 developers to integrate the website's UI/UX and back-end components, and helped ensure that the website functions smoothly and efficiently
- Utilized Next.js, TypeScript, Tailwind CSS, and React.js to develop the frontend of the project

Basic Programming Lecturer Assistant

February 2024 – August 2024

Institut Teknologi Sepuluh Nopember

Surabaya, Indonesia

- Responsible for assisting an cohort for Information Student batch 2023 on the basic programming course
- Deliver and help the student to know and learn programming through Java programming language

PROJECTS

EazyChise | *Next.js, React, Typescript, PWA*

June 2025

- EazyChise "Easy Franchise, Easy Choice". It's a one-stop, web-app marketplace where entrepreneurs can discover, compare, and secure franchise opportunities in just a few taps, while owners gain a faster, clearer path to qualified buyers. Powered by smart search filters and instant PWA install, EazyChise turns the complex franchise hunt into a simple, mobile first experience anytime, anywhere.
- Contributed to Frontend Development of EazyChise, a mobile-first PWA marketplace built in a 1-week capstone sprint using Next.js, React, TypeScript & Tailwind CSS.
- Implemented Core PWA Features (installable on desktop & mobile, offline caching via Workbox & Web App Manifest) for seamless cross-platform UX.
- Built Home screen & Details of each franchise implement search input to search franchises that user want to buy.
- Access the website at [EazyChise](#)

DepasInfection 2025 | *Next.js, React, Typescript, React Query*

June 2025

- DepasInfection 2025: OKGD event management platform featuring a public-facing landing page, detailed event info pages, participant dashboard, and internal admin dashboard for registration verification
- Frontend Implementation: Built all UI components with Next.js 14 and Tailwind CSS, ensuring seamless backend integration and a consistent, intuitive user experience
- Leveraged TypeScript for robust code quality, optimized for performance and scalability, and delivered fully responsive designs across devices
- Worked closely with designers and backend engineers to architect frontend structure, prioritize UX, and ship a polished web application end-to-end
- Access the website at [Depas Infection](#)

Petsaurus | *Next.js, React, Typescript, PWA*

February 2024 – May 2024

- As the CTO of Petsaurus, an entrepreneurship initiative under the Program Kreativitas Mahasiswa, I led the end-to-end development of a Progressive Web App (PWA) designed to connect pet owners, pet shops, and pet clinics.
- I was responsible for overseeing the technical architecture, managing a cross-functional development team, and ensuring the project milestones were met on schedule.
- I actively adopted new technologies by utilizing Next.js to build the PWA, significantly enhancing the application's performance, scalability, and accessibility for users.
- Access the website at [Petsaurus](#)

Information Systems Expo 2024 Website | *Next.js, React, Typescript*

July 2024 – November 2024

- Led a team of 12 developers as the Lead Frontend Developer for the ISE website project, overseeing the development process and ensuring the quality and timely delivery of all frontend components.
- Collaborated closely with the project manager, aligning technical execution with project timelines while upholding high standards in both code quality and UI/UX design consistency.
- Enhanced leadership and communication skills by managing a diverse team with different strengths and passions, fostering a collaborative, supportive, and highly productive development environment.
- Access the website at [ISE 2024](#)

Todo List Devops App | *Google Cloud Platform, React, Express.js, Docker*

October 2024 – December 2024

- Led the development of the "Todo List DevOps App" as both a Full-Stack Developer and Project Manager, utilizing React.js for the frontend and Express.js for the backend to build a fully functional web application.
- Containerized the application using Docker and deployed it seamlessly on Google Cloud Platform (GCP) App Engine, implementing a comprehensive DevOps lifecycle approach for the project.
- Created and managed CI/CD pipelines, ensuring automated and reliable deployments, which significantly improved the efficiency and consistency of the production release process.
- Integrated Google Cloud Monitoring tools, allowing for real-time observation of application health, faster troubleshooting, and ensuring application reliability in the live production environment.
- Access the publication at [Full Documentation](#)

PUBLICATIONS

Automation of Server Management Tasks and Data Aggregation using Generative AI

IEEE Annual Conference of Industrial Electronics Society 2024

- Published a journal paper at IEEE Conference, presenting a system that automates server management tasks and aggregates data using Generative AI.
- Demonstrated integration of AI-based automation to enhance operational efficiency and reduce manual intervention in server administration.
- [Access Paper: IEEE Xplore - Automation of Server Management Tasks and Data Aggregation using Generative AI](#)

Analisis Aplikasi Augmented Reality dalam Bidang Pariwisata Terhadap Keamanan Privasi Data

Jurnal Kendali Teknik dan Sains

- Published a research journal analyzing the impact of Augmented Reality (AR) applications in the tourism sector on data privacy and security.
- Highlighted key privacy challenges and proposed strategies to enhance AR application security in tourism.
- [Access Paper: Jurnal Kendali Teknik dan Sains - Analisis Aplikasi AR terhadap Keamanan Privasi Data](#)

Penerapan Metodologi Agile Scrum dalam Pengembangan Situs Web AutomaTEEs untuk Pembuatan Desain Kaos Berbasis AI

Online Journal ITS

- Published a study on the application of Agile Scrum methodology in developing AutomaTEEs, a website that utilizes AI to automate the design of custom T-shirts.
- Showcased how Agile Scrum practices improved project efficiency and successfully integrated AI-driven features into the web development process.
- [Access Paper: ITS OAJIS - Agile Scrum for AI-based T-shirt Design Website](#)

TECHNICAL SKILLS

Languages: Java, Python, Typescript, SQL (Postgres), JavaScript, HTML/CSS

Frameworks: React, Next.js, Laravel, Flutter, React Query, Zustand, Tailwind