Jhoni Ananta Sitepu

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EDUCATION

Institut Teknologi Sepuluh Nopember Surabaya, Jawa Timur

Undergraduate Student of Information Systems (current GPA 3.81) *Aug. 2022 – Now*

EXPERIENCE

Software Developer Intern March 2025 – Present

PT. ConSense Teknologi Indonesiay *Surabaya, Indonesia*

- As a software developer intern at PT ConSense Teknologi Indonesia in Surabaya, Indonesia, I worked on a project to develop a web-based application for the company's. My responsibilities included collaborating with a team of developers to design and implement features, as well as conducting testing and debugging to ensure the application's functionality and performance. I gained valuable experience in software development methodologies, version control systems, and agile practices, while also enhancing my technical skills in web development technologies.

Software Engineer March. 2025 – Present

Beta U (Software House) *Remote*

- Developed and deployed two production-level websites using Next.js, integrating responsive UI components with RESTful APIs to deliver high-performance user experiences
- Successfully led the front-end implementation of a cross-platform mobile application using Flutter, resulting in a fully functional Android app tailored for client specifications.
- 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

Lead of Front End Developer *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

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](#)

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 Github Project

Shopify: Shopping List App | *Flutter, Dart, Firebase*   October 2024 – November 2024
- Designed and implemented a responsive shopping list application ('Shopify') using Flutter for the front-end, ensuring a seamless, real-time user experience across different devices.
- Integrated Firebase services including Firestore for real-time data storage, Authentication for secure user management, and Realtime Database updates, mastering end-to-end app backend functionality.
- Translated complex UI/UX prototypes into sleek, modern, and fully functional interfaces, demonstrating strong skills in both user experience design and Flutter mobile development.
- Access the repository at Github Project

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

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