Jason Brandon Loi

Seeking an opportunity to contribute my programming and problem-solving skills in a dynamic learning or professional environment. Enthusiastic about supporting projects, collaborating with teams, and applying technical knowledge to deliver meaningful results.

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Projects

Scanny

Scanny is my flutter dart project for scanning an object to identify and label it with google mlkit model also use firebase to store username, email, password. I made this project for Creativity and Innovation course in Bina Nusantara

Trade Talk

TradeTalk is my nextjs typescript project for chatting to one another and you can view trading charts with tradingview widgets. I'm also add ai chatbot from openrouter api url ,api key to use Meta AI Llma 3.2 model and i used firebase for the database and the auth system. I made this project for Human Computer Interaction course in Bina Nusantara

Virtual Clinic

Virtual Clinic is my flutter dart project for clinic app using Gemma api for the ai chatbot and i also used node js for the backend server and the mongo db for storing the database of the users. I made this project from something i learned from GDGC Bina Nusantara workshop

Hi! Countant

Hi! Countant is a pioneering fintech platform that integrates artificial intelligence with blockchain technology to transform accounting and financial management. Built on the Internet Computer Protocol, the platform utilizes Google Gemini AI models to provide AI-driven financial data analysis, automated transaction processing, comprehensive financial reporting, and intelligent financial recommendations.

AI-Chemy

AI-chemy is an advanced platform that integrates artificial intelligence with chemical synthesis research. Built on the Internet Computer Protocol, it utilizes LLaMA-based models to provide AI-driven material synthesis analysis, real-time chemical reaction visualization, and comprehensive research data analysis.

Be-Finder

Be-Finder is an intelligent business location analysis platform built on the Internet Computer (ICP) that helps entrepreneurs and businesses evaluate the profitability potential of any location in Jakarta. Using advanced AI analysis and comprehensive business metrics, the platform provides data-driven insights for strategic business location decisions.

HistoriBuddy

HistoriBuddy is a mobile application that leverages AI to help users discover and learn about historical objects. By taking a photo of artifacts, monuments, or buildings, users receive detailed information through interactive AI-powered chat with personalized cultural mascots. The app adapts content based on user profile, language, and cultural context, making historical exploration personalized and accessible.

Certificates

Dasar - Dasar Bahasa Pemrograman Python Flask (Udemy)

- Learned the basics of Python web development using Flask.
- Worked with XAMPP and MySQL for database management.
- Used PyMySQL to integrate Flask applications with MySQL databases.
- Developed simple web applications with routing, templating, and CRUD operations.

Fundamentals of Deep Learning (Data Science Club Binus)

- Learned the basics of deep learning with PyTorch and PyTorch Vision.
- Focused on computer vision tasks such as image classification and object detection.
- Implemented and trained convolutional neural networks (CNNs) using real-world datasets.

Introduction to Cybersecurity (Cisco Networking Academy)

- Learned the fundamentals of cybersecurity and cyber threats.
- Introduction to encryption methods and authentication in network security.
- Conducted simulations of cyber attacks and mitigation strategies.

Belajar Dasar AI (Dicoding)

- Learned the fundamentals of artificial intelligence and simple implementations.
- Introduction to machine learning and supervised learning techniques.
- Built image recognition models using teachable machine

Backend Development and APIs (Freecodecamp)

- Learned the basics of backend development with Node.js.
- Built RESTful APIs using Express.js.
- Worked with database MongoDB

Information Security (Freecodecamp)

- Fundamentals of information security and data encryption techniques.
- Understanding OWASP Top 10 and cybersecurity threat mitigation.
- Implemented security best practices in software development.

Endpoint Security (Cisco Networking Academy)

- Learned endpoint security fundamentals in networking.
- Identified malware threats and preventive measures.
- Applied best practices for protecting user data on devices.

Competition

CSC CTF Contest 2024

- Solved a Forensics challenge by extracting hidden data from an image file.
- Used CyberChef to decode the embedded message and reveal the hidden flag.
- Gained experience in digital forensics techniques such as file extraction, and text decoding.

1st Winner ICP 12th Hackathon 2025

- Make AI-Chemy and won the first place

3rd Winner ICP 13th Hackathon 2025

- Make Hi! Countant and got the third place

Top 10 Google Apac Solution 2025

- Make Historibuddy and got top 10 Google Apac Solution finalist

Education

September 2024 - 2028

Bina Nusantara University
Bachelor's Degree in Computer Science

Skills

- **Programming Languages:** Python, JavaScript, C#, C
- **Web Development:** Flask, Next.js, Node.js, ASP.NET
- **Frontend Tools & Frameworks:** React.js, TypeScript, Tailwind CSS
- **Database Management:** MySQL, MongoDB, PyMySQL, SQL Server, Firebase
- **AI & Machine Learning:** PyTorch, Google ML Kit, Tensorflow
- **Version Control:** Git, GitHub
- **Cybersecurity Basics:** OWASP Top 10, Encryption, Network Security
- **Mobile Programming:** Flutter

Languages

- Indonesia - Native
- English - Professional
- Chinese - Basic