








# Ezra Desmond Sutanto

AI & Full-Stack Developer | Petra Christian University Informatics Student

## About Me

Informatics student and AI-focused full-stack developer passionate about building intelligent systems that turn complex workflows into simple, practical solutions. I have developed AI-powered web applications, automation tools, and business platforms used by real users, ranging from commercial clients to university organizations. My goal is to create technology that helps ambitious students, builders, and businesses execute faster, make better decisions, and achieve greater impact.

## Contact

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## Skills

- Programming**  
Python · TypeScript · JavaScript · PHP · SQL
- Frontend & Mobile**  
Next.js · React · Astro.js · React Native · Expo · Tailwind CSS
- Backend & Database**  
Laravel · FastAPI · Supabase · MySQL · PostgreSQL · REST APIs
- AI & Data**  
Scikit-Learn · TensorFlow · Pandas · NumPy · Gemini API · OpenRouter API · Fuzzy Logic
- Tools**  
Git · Docker · Figma · Odoo ERP

## Education

- (2024 - Present)**  
**PETRA CHRISTIAN UNIVERSITY**  
Bachelor of Informatics  
3.75/4.00
- (2021 - 2024)**  
**SMA KRISTEN PETRA 2**  
Natural Science

## Project Experience

- TOKOKARET.COM — AI-POWERED AUTOMOTIVE COMMERCE**  
Solo Developer · Commercial Client | 2026
  - Built an AI-assisted commerce website for an automotive rubber retailer serving 4,000+ customers with 50,000+ items sold.
  - Designed a Gemini-powered symptom-to-product recommendation workflow using Astro.js, Tailwind CSS, and Gemini API.Live: [tokokaret.com](https://tokokaret.com)
- INNOFASHIONSHOW 7→8 — EVENT & COMPETITION PLATFORM**  
IT Coordinator & Full-Stack Developer · PCU | 2024–2026
  - Progressed from frontend contributor for InnofashionShow 7 to IT Coordinator for InnofashionShow 8.
  - Led technical delivery of a live registration platform supporting 200+ participants.
  - Implemented QR ticketing, role-based authentication, an admin dashboard, and participant management using Next.js, Laravel, and MySQL.Live: [innofashionshow.petra.ac.id](https://innofashionshow.petra.ac.id)
- TAILOR EFFICIENCY PREDICTION SYSTEM & KOPERASI MANAGEMENT SYSTEM**  
Machine Learning Engineer & Full-Stack Developer · Group Project | January 2026
  - Placed 2nd in the SUTD × PCU GEO International Hackathon.
  - Built an integrated management system for inventory, purchases, suppliers, tailors, projects, assignments, and operational analytics.
  - Developed an ML-powered allocation engine using 100+ real records to predict tailor capacity and recommend optimal individual or split-order assignments.
  - Tech: Python, Streamlit, Scikit-learn, Pandas, NumPy
- SERVISIN — ELECTRONICS REPAIR SERVICE MARKETPLACE PLATFORM**  
Full-Stack Developer & Product Designer · Group Project | March–June 2026
  - Built a mobile marketplace MVP connecting customers with technicians through Customer, Technician, and Admin roles.
  - Contributed to React Native app, Laravel REST API, MySQL database, booking flow, Lean Canvas, user journeys, and 30+ interface screens.
  - Tech: React Native, Expo, TypeScript, Laravel 11, MySQL, Figma

## Honors & Awards

### ● 2ND PLACE — SUTD × PCU INTERNATIONAL HACKATHON

Singapore University of Technology and Design × Petra Christian University | January 2026

Built an ML workforce-efficiency prediction system using real cooperative operational data.

### ● 1ST PLACE — FESTIVAL BAND PELAJAR, SENIOR HIGH SCHOOL CATEGORY

Festival Band Pelajar Surabaya PDAM | May 2024

Won as part of D'vacto Band through a collaborative live performance.

### ● 1ST PLACE — SMA AWARDS SHORT MOVIE COMPETITION

SMA Awards Jawa Pos | 2023

Contributed to audio engineering, filming, and video editing for a winning short-film production.

### ● 1ST PLACE — ETERNITY BUSINESS RALLY GAMES COMPETITION

ETERNITY Universitas Ciputra | 2023

Won a business-strategy competition involving teamwork, problem-solving, and decision-making.

## Work Experience

### ● FREELANCE FULL-STACK DEVELOPER

Self-Employed | June 2025–Present

- Developed and deployed web platforms for commercial and organizational clients using Next.js, Astro.js, Laravel, MySQL, and AI APIs.
- Delivered customer-facing websites, secure authentication systems, admin dashboards, databases, and workflow automation.
- Translated client requirements and domain knowledge into usable digital products.

### ● ASSISTANT LECTURER

Informatics Department, Petra Christian University | February 2025–Present

- Supported lecturers in delivering programming, algorithms, and statistics-related course materials.
- Guided students in programming logic, problem-solving, and assignment implementation.

### ● PRIVATE GUITAR TUTOR

Self-Employed | September 2025–Present

- Designed a structured acoustic and electric guitar curriculum for students with different learning goals and experience levels.
- Adapted teaching methods to individual learning pace while covering rhythm, chords, scales, technique, and music theory.
- Developed communication, mentoring, and learning-design skills through personalized instruction.

## Organizational Experience

### ● IT COORDINATOR — INNOFASHIONSHOW 8

Petra Christian University | November 2025–Present

- Led technical direction of a live event platform supporting 200+ participants — architecture, development, deployment, and live reliability."
- Progressed from frontend contributor (InnofashionShow 7) to IT Coordinator (InnofashionShow 8), owning the full technical stack.

### ● CHAIRMAN — INVESTALK 2026 PCU TALKSHOW

Petra Christian University | December 2025–May 2026

- Led a university-scale financial literacy event attended by 150+ participants.
- Coordinated the committee, event operations, speakers, logistics, and participant experience.
- Collaborated with an investment content creator with 300,000+ subscribers and a Certified Financial Planner.

### ● SECRETARY & TREASURER — DIGICOMP 2026 NATIONAL UI/UX COMPETITION

Petra Christian University | February–June 2026

- Managed budgeting, expense records, reimbursements, financial reporting, and administrative documentation for a UI/UX competition.
- Prepared official letters and coordinated administrative requirements across event divisions.
- Supervised and coordinated the Event, Equipment, and IT divisions.