



Thanel Richard Angwarmasse

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Location: Jakarta, Indonesia

Professional Summary

Informatics Engineering graduate with strong hands-on experience in full-stack web development, Android applications, cross-platform desktop software, and API integration. Developed 15+ software projects including web applications, mobile apps, desktop tools, APIs, and interactive games.

Experienced with Python, Kotlin, JavaScript, React, Laravel, and BeeWare, with several applications deployed publicly on platforms such as Vercel and itch.io. Passionate about building practical, user-focused software solutions and continuously exploring modern technologies.

Technical Skills

Programming Languages

Python, Kotlin, JavaScript, PHP, C++, HTML, CSS

Frameworks & Libraries

React.js, Next.js, Laravel, Jetpack Compose, BeeWare (Toga GUI), Bootstrap, Material UI, Framer Motion

Technologies & Tools

REST API Integration, WebRTC API, Canvas API, MediaRecorder API, Discord API

Platforms

Web Applications, Android Applications, Cross-Platform Desktop Applications

Deployment & Hosting

Vercel, PythonAnywhere, itch.io

Software Projects

Web Applications

DapurSantai – Recipe Discovery Platform

React.js • Next.js • Bootstrap • Material UI • Framer Motion • TheMealDB API • Vercel

- Developed a responsive web application for searching and discovering recipes using TheMealDB API.
- Implemented modern UI animations using Framer Motion and reusable components with React and Next.js.
- Deployed the application globally via Vercel for optimized performance and scalability.

Hotel Reservation System

Laravel • PHP • MySQL

- Built a full-stack reservation management system for hotel bookings.
- Implemented one-to-one, one-to-many, and many-to-many database relationships.
- Created an internal admin dashboard for managing reservations and guest profiles.

MBEC Official Website

HTML • CSS • JavaScript • Bootstrap • AOS • Vercel

- Designed and deployed the official website for Mercu Buana English Club.
- Implemented responsive layouts and interactive animations to enhance user engagement.

MBEC Online Photostrip – Web Photobooth Application

HTML • CSS • JavaScript • WebRTC API • Canvas API • MediaRecorder API

- Developed a browser-based photobooth application allowing users to capture photos and videos directly from their browser.
- Implemented real-time camera preview, customizable photostrip templates, and downloadable media outputs.

National Heroes of Indonesia API

- Built a lightweight static API providing structured JSON data about Indonesian national heroes.
- Deployed on **Vercel** for easy public access.

Mobile Applications (Android)

CountryInfo App

Kotlin • Jetpack Compose • REST API

- Developed an Android application providing country information including population, region, and demographics.
- Implemented search functionality and random country discovery.

- Integrated a custom backend API hosted on PythonAnywhere.

PokeDex App

Kotlin • Jetpack Compose • PokeAPI

- Built an Android application providing Pokémon data including stats, movesets, and types.
 - Implemented real-time data retrieval from PokeAPI with intuitive search functionality.
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Cross-Platform Desktop Applications

Developed multiple cross-platform applications for Windows and Android using Python and the BeeWare framework.

Key applications include:

- **LinguaPlay** – Language learning toolkit with multiple mini-apps
- **PromptoRead** – Teleprompter application with adjustable scrolling and keyboard controls
- **BeezSpelling** – Interactive spelling trainer with scoring and word definitions
- **Colored Timer** – Event timer with color-coded alerts and sound notifications
- **3 Words Storytelling (TWST)** – Interactive storytelling challenge for public speaking practice

Game Applications

Built several interactive educational and entertainment games including:

- **FunQuestions** – Party game with Truth/Dare and social prompts
- **PokeGuess** – Pokémon guessing game using PokeAPI
- **NusaHero** – Educational game about Indonesian national heroes
- **GTAC (Guess The Anime Character)** – Anime guessing game using Jikan API
- **CrossWords** – Dynamic crossword puzzle application
- **MemoryGame** – Grid-based memory puzzle game

All games support Android and Windows platforms.

Bots & Automation

NewGen Discord Bot

- Developed a multi-purpose Discord bot featuring moderation tools and interactive commands.

- Includes functions such as ban, kick, purge, games, and social commands.
 - Published publicly on top.gg for server communities.
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Education

Mercu Buana University
Jakarta, Indonesia
Bachelor of Informatics Engineering — 2026

Achievements:

- Gold Medal – Pekan Inovasi 2025
- 1st Place – PHKM 2025 (Informatics Engineering Application Category)

Lentera Harapan High School
Kupang, NTT
Science Major — 2022

Leadership & Community Involvement

Mercu Buana English Club (MBEC)

- Technician PIC – English Event 2025
- Security PIC – Opening Recruitment 2024
- Fundraising Committee – English Event 2024
- Equipment & Field Committee – LTP 2025

Kupang Dive Community (KDC)

- Participated in underwater Independence Day ceremonies (2017–2021)
- Contributed to ocean cleanup activities for Earth Day events

Children and Youth Services (PAR) – GMIT Paulus Kupang

- Organized church events including Easter, Christmas, and Training Camps
- Managed documentation, publications, and technical logistics