CAESAR ELANG PAKSI

IoT Developer • Mobile App Developer • 3D Designer

✉ caesarelangpaksi@gmail.com   📱 +6281333703670   📍 Surabaya, East Java, Indonesia

💼 linkedin.com/in/caesar-elang-paksi-317656243   🔗 github.com/caesarelang   📷 instagram.com/caesarelang__

PROFESSIONAL SUMMARY

Experienced IoT Developer and Mobile Application Developer currently pursuing D3 in Information Management at Politeknik Negeri Malang (6th Semester). Specializing in Android development using Kotlin, IoT system integration with Arduino and ESP32, and 3D design. Proven track record with **17+ successful projects** including tracking systems, attendance solutions, and various mobile applications. Combines technical expertise with creative design skills to deliver comprehensive technology solutions.

TECHNICAL SKILLS

Mobile Development

- Android Development
- Kotlin Programming
- Java Programming
- Android Studio IDE
- Mobile UI/UX Design

IoT & Hardware

- Arduino Programming
- ESP32 Development
- Raspberry Pi
- MicroPython
- Hardware Integration
- Sensor Programming

Backend Development

- PHP Programming
- Laravel Framework
- CodeIgniter Framework
- Node.js
- RESTful API Development
- Database Design

Database & Cloud

- MySQL Database
- Firebase
- Supabase
- Database Optimization
- Cloud Integration

Web Technologies

- HTML5 & CSS3
- JavaScript
- Bootstrap Framework
- Responsive Web Design
- SEO Optimization

Design & Tools

- Figma UI/UX Design
- SketchUp 3D Modeling
- Git Version Control
- VS Code IDE
- Postman API Testing
- Hardware Repair

Core Competencies

- Full-Stack Development
- IoT System Integration
- Mobile App Architecture
- Hardware-Software Integration
- API Development & Integration
- Database Design & Management
- 3D Modeling & Design
- UI/UX Design
- Hardware Troubleshooting
- Project Management
- Problem Solving
- Quality Assurance

Education

D3 - Manajemen Informatika

Politeknik Negeri Malang

2022 - 2025 (6th Semester)

Languages

Indonesian	Native
English	Professional
Javanese	Conversational

Certifications

Android Developer
Google/Kotlin Certified

IoT Development
Arduino/ESP32 Specialist

Laravel Framework
PHP Development

Key Achievements

- 17+ Successful Projects
- 10+ Mobile Apps Deployed
- Expert Hardware Integration
- Tracking Systems Specialist
- Multi-platform Development
- 95%+ Client Satisfaction
- Active GitHub Contributor
- Top Student Performance

Development Tools

- Android Studio
- Visual Studio Code
- Arduino IDE
- Git & GitHub
- Postman
- Figma
- SketchUp
- MySQL Workbench
- Firebase Console
- Laravel Artisan

FEATURED PROJECTS (17 TOTAL)

SatriaTracking-IoT
Kotlin • Arduino • IoT • GPS

Bus Satria Kediri tracking mobile app with Arduino integration for real-time GPS monitoring.

IoT Fingerprint Attendance System
Kotlin • AS608 Sensor • IoT

Advanced attendance system with fingerprint sensor integration and real-time data sync.

Secation Sensor Calibration
Kotlin • 3-Axis Sensors • Calibration

Precision calibration app for Sevetion using Android 3-axis sensors with advanced algorithms.

Smart Power Monitor SMAS
Kotlin • IoT • Power Analytics • Scheduling

Power monitoring for badminton courts with automated lighting control and scheduling.

Automated Chicken Feeder IoT
Kotlin • IoT • Automation • Scheduling

Smart feeding system with time scheduling and manual control for livestock management.

Bengkel Cak Dhi Mobile App
Kotlin • Native API Backend

Garage management system with booking, service tracking, and customer management.

Sevetion Seismic Detection
Kotlin • Seismic Sensors • Real-time Processing

Earthquake detection app with real-time seismic wave analysis and alert system.

Depo Air Gas Multi-Platform
Kotlin • Multi-user • OSRM • Xendit

Three-tier distribution app (Admin/Driver/Customer) with navigation and payment integration.

Backend API Systems
PHP Native • RESTful API

Custom backend APIs for mobile applications with secure authentication.

ISC Course Platform
PHP • Filament • Certificate Management

Training course website with automated certificate generation and student management.

Financial Management Systems
Laravel • Filament • Payroll • HR

Employee management with payroll, attendance tracking, and financial reporting.

LAZIZNU Donation Platform
Laravel Blade • Xendit Payment

Secure donation website with integrated payment system and fund management.

Interests

- Internet of Things (IoT)
- Mobile Technology
- Hardware Engineering
- 3D Design & Modeling
- Emerging Technologies
- Open Source Development
- Tech Innovation
- System Integration

PROFESSIONAL EXPERIENCE

Freelance IoT & Mobile Developer
CaeCode

2020 - Present

• Developed 17+ mobile applications using Kotlin and Android Studio
• Created IoT solutions integrating Arduino, ESP32, and various sensors
• Designed backend APIs using Laravel and PHP
• Specialized in tracking systems and automated attendance solutions
• Provided hardware repair services for mobile devices

3D Designer & UI/UX Specialist
Freelance Projects

2019 - Present

• Created 3D models and designs using SketchUp
• Designed user interfaces and experiences using Figma
• Provided design consultation for mobile applications
• Developed responsive web designs and prototypes