



KENNETH AARON S. ELADISTU

Robotics Engineer | Full-Stack Developer



09455986935



kennetheladistu@gmail.com



kennetheladistu.netlify.app

ABOUT ME

Innovative Robotics Engineer & Full-Stack Developer with 5+ years of experience in Django, Flutter, NodeJS, React, PostgreSQL, Azure Cloud, and Docker. Expertise in web/mobile development, robotics automation, and IT infrastructure, with a focus on scalable solutions, security compliance, and cross-platform integration. Passionate about bridging software and hardware to solve complex engineering challenges

EDUCATION

2019 - 2023

Columban College

Bachelor of Science in Computer Engineering

Graduated with 1.56 GWA, Dean's Awardee, Leadership Awardee, Community Service Awardee. Former President of the Computer Engineering Organization.

EXPERIENCE

2024 - Present

Planate Management Group

Robotics Engineer (Full-Stack Developer)

- Operated the xarm robotic arm 6 with ROS2 communication and integrated computer vision
- Developed a full-stack Django Web App with PostgreSQL and Azure Cloud sync using Celery & ORM.
- Designed the app with Bootstrap for a responsive UI/UX.
- Implemented RBAC, full CRUD operations, and security controls following NIST 800-53 standards.
- Ensured system and web application compliance with security guidelines.
- Integrated web-scraping functionality for real-time weather data in Olongapo and Subic to support automated AHA report analysis and chatbot responses.

2023 - 2024

Planate Management Group

Junior Robotics Engineer

- Integrated and fine-tuned YOLOv8 OBB models for detection.
- Built a PyQt5 GUI to control an Arduino-based Rover via serial comms.
- Developed a Flutter mobile app (login/signup) to control a robotic arm via serial & LAN.
- Developed a Django Web App that can CRUD to PostgreSQL local database

2021-2023

Remote

Full-Stack Web Developer (Freelancer)

- Developed student portfolio systems, IoT Arduino projects, POS systems, and restaurant static sites.
- Built and deployed full-stack web applications using React for the frontend and NodeJS for the backend, ensuring seamless user experiences.
- Created and maintained RESTful APIs with NodeJS and integrated them with PostgreSQL databases.
- Containerized applications using Docker for efficient deployment and scalability.
- Created static websites hosted on Netlify and Docker.

SKILLS

- **Programming Languages:** Python, C++, HTML, CSS, JavaScript, NodeJS
- **Frameworks & Libraries:** Django, Flutter, Dart, React
- **Databases:** PostgreSQL, Azure Cloud Storage
- **Tools & Platforms:** Docker, Git, Azure Cloud, Xarm 6 Robotic Arm
- **IT Skills:** Troubleshooting, Server Maintenance, Network Configuration, Hardware Diagnostics, System Security, Technical Support, OS Installation & Configuration
- **Other Skills:** Computer Vision, Web Development, Mobile Application Design, Web Scraping