Kian Jearard G. Naquines   **Python Full Stack Developer**

Philippines, Cotabato, 9401 | kjgnaquines@gmail.com | github.com/kiannaquines | linkedin.com/in/kjnaquines | +63 910-938-4278

Executive Summary

Results-driven Python Full Stack Developer with 6 years of experience designing and building scalable, maintainable web applications. Skilled in Python, Django, and Flask, with strong knowledge of JavaScript, HTML, CSS, and modern front-end frameworks such as React and Vue.js. Proficient in database design and optimization (PostgreSQL, MySQL), API development, and cloud-based deployments using Docker and CI/CD pipelines. Adept at implementing clean architecture and best practices to ensure performance, scalability, and maintainability. Passionate about delivering high-quality, user-focused solutions that drive business growth while ensuring reliability and security.

Skills

- Python
- Django
- Flask
- FastAPI
- JavaScript
- HTML5
- DBMS
- CSS3
- JSON
- DDD
- PostgreSQL
- Docker
- OOP
- Django ORM
- Restful API

Experience

Part-Time Software Developer   2022 – 2024
Upwork   Remote

Collaborating with clients worldwide to deliver customized software solutions through virtual meetings and project-based partnerships.

- Developed and deployed scalable web applications and other modern frameworks to meet diverse client requirements.
- Created Agentic API Integrations and backend services for secure and efficient data exchange between systems with team collaboration.
- Utilized MySQL and other databases to build robust, data-driven solutions, ensuring efficient queries and optimized storage.

Projects

Crowd Monitoring Software with Artificial Intelligence with Python

- Developed an **AI-powered solution** achieved **98%** accuracy for monitoring crowd activity using Wi-Fi probe request analysis.
- Implemented clustering algorithms to identify and track unique devices while addressing MAC randomization challenges.
- Ensured real-time data processing and visualization for actionable insights on crowd density and movement.
- Utilized **MySQL** and data warehousing to build scalable solutions for efficient data storage and retrieval.

LLM-Powered Chatbot with Mistral AI with Python

- Engineered an AI-driven chatbot integrated with Mistral AI to enable natural language querying for financial transaction data, improving user accessibility and decision-making.
- Implemented using Python programming language.

Feed Formulation Optimization for Chickens with Python FastAPI

- Designed a linear programming model to optimize poultry feed formulations, balancing nutritional requirements (e.g., protein, energy) with ingredient availability and cost efficiency.
- Applied constraints and objective functions to minimize feed costs while ensuring compliance with chicken growth stage standards, resulting in a more sustainable and economical feeding strategy.

Web Application Firewall with Artificial Intelligence with Python

- Trained an AI model to power a Web Application Firewall (WAF) for advanced threat detection.
- Leveraged machine learning techniques to identify and block malicious web traffic in real- time.

Human Resource Information System (HRIS)

- Developed a scalable HRIS platform using Laravel with Domain-Driven Design (DDD) principles to ensure maintainable and modular architecture.

- Optimized SQL Server database schemas and queries, improving system performance and reducing response times by over 40%.

- Applied unit testing and TDD to ensure code quality and reduce bugs in production deployments.

Radio Log Management Software with Python Django

- Developed a comprehensive solution for managing radio communication logs processing **500+ logs daily**, enhancing record-keeping and operational insights
- Integrated search and filtering capabilities for quick and precise retrieval of log information with **100% usability**.
- Ensured secure data management to protect sensitive communication records and maintain compliance.
- Utilized MySQL database to build robust, data-driven solutions, ensuring efficient queries and optimized storage.

University Management Software with Domain-Driven Design Architecture

- Developed a comprehensive Laravel-based university management system implementing Domain-Driven Design (DDD) framework for scalable enterprise architecture.
- Built student enrollment, academic record management, and multi-role dashboard interfaces with role-based access control with Spatie/Laravel Data.
- Integrated MySQL database for efficient handling of student profiles, course management, and result processing with optimized performance.
- Designed responsive web interface using Laravel, CSS, and jQuery for enhanced cross-platform

user experience.

Financial Management Software with Python Django

- Developed a comprehensive solution for tracking and managing financial transactions, enhancing reporting and analysis.
- Implemented search and filtering features for precise retrieval of financial data.
- Utilized MySQL database to build scalable, data-driven solutions for optimized performance.

Education

Bachelor of Science in Information Systems, Cum Laude University of Southern Mindanao | Kabacan, Cotabato, 9407

Training & Certifications
- Meta Introduction to Frontend Development
- Meta Introduction to Backend Development
- Microsoft Full Stack Development
- Google Agile Project Management
- Python for Cybersecurity Specialization (InfoSec)
- Python for Active Defense
- Harvard CS50 Computer Science for Business Professional (Ongoing)
- Harvard CS50 Introduction to Artificial Intelligence with Python (Ongoing)