Ervin Joshua Fernandez

Software Engineer

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PROFESSIONAL EXPERIENCE

Kodexa   **October 2023 - Present**
Python Developer

System Monitoring & DevOps:
- Monitor production environments using Datadog.
- Respond to alerts from Betterstack.
- Debug and fix errors in production environments.
- Integrate AWS secrets into Python scripts.

Data Engineering & Analytics:
- Created and maintained automated reports from SQL queries to meet business needs.
- Knowledgeable in ETL processes, data extraction, transformation, and loading.
- Provide actionable insights through data analysis and reporting.

AI/ML Development:
- Contributed to AI/ML model development and deployment.
- Handled model training, evaluation, and optimization.
- Designed and refined prompts for large language models.
- Optimized LLM performance for high-quality outputs.

Documentation & Scripting:
- Document Python scripts and incident reports in Notion.
- Developed and implemented automated solutions to improve efficiency and reliability.

Giant International Software Station Inc.   **October 2022 - October 2023**
Software Engineer
- Creating and designing web applications upon request of our Product Manager.
- Perform tests before and after functionalities are added.
- Fix bugs discovered.
- Creation of REST API's
- Assumed the role of Temporary Point of Contact for the team during the vacancy of team leader position.
- Managed team schedules ensuring deadlines were met and projects progressed smoothly.
- Collaborated with team members to ensure seamless workflow and efficient task distribution.

Lingayen Provincial Capitol   **February 2021 - February 2022**
Software Engineer
- Implementation of unstructured documents using google vision and Robotic Process Automation.
- Took proactive steps to streamline certain business processes through automation.
- Pioneer developer of the provincial library website.

SKILLS

- DataDog
- Betterstack
- Cronicle
- ArgoCd
- Python
- GitHub
- Linear

- GitHub Actions
- Notion
- TailWind Css
- HTML
- JAVASCRIPT
- CSS
- REACT JS

- LARAVEL
- Robotic Process Automation
- PHP
- C#
- Mocha JS

INTERNSHIP

Saint Louis University: Data Protection Office   **March 2022 - March 2022**
- Developed the SLU Triage Web Application.
- Performed tests on the SLU Triage Web Application for potential bugs.

EDUCATION

Saint Louis University   **2015 - 2022**
Bachelor of Science in information technology

CERTIFICATES
- EF SET English Certificate (C2 Proficient) (03/2023)

TRAININGS AND SEMINARS
- Seminar on Cyber crime law of the Philippines (2018)
- DevOps Beginners to Advanced with Projects- 2023
- Front-End Development - CSS (03/2023)