

Paul Kenneth Fortaleza

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1747 N. Garcia St., Corner D. Oliman, Makati City, Metro Manila

SOFTWARE ENGINEER

Highly motivated Software Engineer with a strong foundation in computer science principles and a keen interest in automation. Proficient in scripting languages and automation tools, with hands-on experience in developing, testing, and maintaining automated systems. Adept at working in fast-paced environments and collaborating with cross-functional teams to deliver efficient and scalable solutions.

SKILLS

System Development

- Automation - Python, CI/CD (Jenkins), VBA
- Database - SQL (PostgreSQL)
- Data Visualization - Power BI
- Web Application - Python, Flask, Javascript, HTML, CSS, Power Apps, Power Automate
- Others - Java, C, C++, C#

Sytem Testing

- Test Design - design test cases and test environment (Gherkin)
- Test Execution (Selenium)

System Requirements Specification

PROFESSIONAL EXPERIENCE

DENSO Techno Philippines Inc. Jr. Software Engineer

Feb 2023 - Present

Part of SEPG focused on enhancing the company's overall productivity, driving cost-saving initiatives, and fostering innovation. Actively contributes to various internal projects, taking on a diverse range of responsibilities, including conducting detailed requirement analysis, designing and architecting robust systems, developing efficient code, performing thorough testing and debugging, and providing ongoing maintenance and support to ensure the long-term success and stability of the systems. Contributions are integral to ensuring the seamless execution and continuous improvement of the company's technology solutions.

Melham Construction Corporation Web Designer Intern

Feb 2022 - May 2022

Assisted in creating the front-end design for a project management website, focusing on making it easy to use and visually appealing. Worked with the team to turn project needs into functional website features, following design guidelines and deadlines. Used HTML, CSS, and JavaScript to build interactive elements and ensured the website worked smoothly across different browsers.

EDUCATION

Bachelor of Science in Information Technology

Romblon State University- Main Campus
2018-2022

REFERENCES

Shane Michael Singwa

AI Engineer | Supervisor

(0956) 913 0006 · shane.singwa@gmail.com

Ian Victor Gensola

Junior Supervisor

(0916) 278 4326 · iangensola@gmail.com

Projects

JAPANESE TO ENGLISH TRANSLATOR

Developer (Non-AI), Tester

- AI-powered web application for translating Japanese texts to English from images and files in PDF, DOCX, and Excel formats, including embedded images.
 - Focused on building an internal translation system to maintain data confidentiality, reducing dependence on external models.
 - Developed within an Agile framework, it leveraged MLOps for model deployment alongside Python, Flask, HTML, CSS, and JavaScript for full-stack development.
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DATA VISUALIZATION

Developer

- Provide data visualization for upper management to support data-driven decision-making within the organization.
 - Used python for ETL processes and PowerBI for data visualization, with Agile methodologies for iterative development.
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INVENTORY SYSTEM

Developer, Tester

- Developed using Python, Flask, and PostgreSQL to track and manage assets in real-time, ensuring optimal utilization and maintenance.
 - Python handled backend scripting and data processing, while Flask provided a responsive web interface.
 - PostgreSQL was used for efficient storage and retrieval of asset data, enabling seamless tracking, timely alerts, and comprehensive reporting to enhance operational efficiency.
 - Selenium was used for automated testing.
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UI PATH TO SCRIPTING

Developer

- Transitioned automation workflows from UI Path to Python, significantly reducing operational costs by eliminating expensive licensing fees while maintaining functionality and performance.
 - Utilized Agile methodologies for a smooth, iterative development process, allowing for continuous improvement and quick adaptation to feedback.
 - Used PyAutoGUI to replicate, optimize, and enhance automation scripts, providing scalable and robust solutions.
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EXCEL COMPARE

Developer

- Developed using Python, Flask, and FastAPI, designed to compare changes between two Excel files, including text and objects.
 - Focused on creating a responsive, user-friendly interface using HTML, CSS, and JavaScript, ensuring seamless interaction with backend services.
 - Collaborated closely with backend developers to integrate front-end components with FastAPI-based APIs, enabling efficient data processing and real-time updates.
 - Also performed research focused on finding solutions on how to implement new features.
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REAL-TIME HEALTH MONITORING SYSTEM

Developer

- Provided a reliable and efficient way to remotely monitor patient vitals, improving healthcare delivery while minimizing direct contact.
- Designed to remotely monitor vital signs (heart rate, blood oxygen saturation, body temperature, ambient room temperature) for COVID-19 patients, reducing the risk of infection for medical workers.
- Developed a user-friendly interface, ensuring seamless integration and real-time updates from sensors to the monitoring system.