Franz Ronin M. Manrique

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SUMMARY

Proficient software developer with extensive expertise in fundamental to advanced programming concepts. Capable of providing software solutions that rapidly boost productivity and user-friendly standards. My skill set allows me to excel in both technical and non-technical roles within the profession. Confident in managing time and task pressures while providing a high-quality output as designated.

SKILLS

- Programming Languages: PHP, Python, Javascript, C++, Typescript, Kotlin, Swift
- Frameworks: Laravel, Django, ReactJS, VueJS
- Database: MySQL, PostgreSQL, Firebase, NodeJS, NoSQL, MongoDB
- Design Frameworks: Bootstrap, TailwindCSS, Material UI, Figma, Adobe Illustrator/Photoshop
- Data Analytics: Google Analytics, MS Excel, PoweBI
- Operating Systems: Linux, Windows
- Technologies: Git, Visual Studio Code, XAMPP, IIS, Composer, Github, Redux, Trello, Jira, Slack

WORK EXPERIENCE

September 2023 –Present
Civil Aviation Authority of the Philippines | Pasay City, Philippines
IT Consultant

Key Achievements:
- Utilized PHP and Python to build and optimize backend systems for various aviation-related applications, ensuring high performance, reliability, and security.
- Designed and implemented user-friendly front-end interfaces using HTML, CSS, JavaScript, and frameworks like React and Vue.js, enhancing the overall user experience and accessibility.
- Developed Python scripts to automate data processing tasks, reducing manual efforts and improving data accuracy and processing speed.
- Integrated multiple APIs using PHP and Python to streamline data exchange between different systems, improving the efficiency and functionality of the applications.
- Set up real-time data monitoring systems to maintain data integrity and reliability.
- Participated in training sessions to apply data analysis techniques and tools.
- Implemented security best practices in both backend and frontend development, ensuring data integrity and protection against common vulnerabilities.
- Worked closely with cross-functional teams, including UX/UI designers, project managers, and other developers, to deliver high-quality software solutions on time.
- Strengthened data security protocols to ensure compliance with industry standards.

- Collaborated with departments to meet their data needs and enhance productivity.
- Improved data collection methodologies for accurate and comprehensive data capture.

January 2023 –August 2024
Civil Aviation Authority of the Philippines | Pasay City, Philippines
Computer Programmer

Key Achievements:
- Enhanced system efficiency and functionality by developing and integrating robust Python-based solutions.
- Assisted in the development and maintenance of backend systems using PHP and Python, gaining hands-on experience with server-side programming and database management.
- Contributed to the creation and enhancement of user interfaces with HTML, CSS, and JavaScript, ensuring a responsive and user-friendly experience.
- Created dynamic, user-friendly front-end interfaces with PHP, enhancing user engagement.
- Collaborated with the UX team to ensure intuitive design and seamless functionality.
- Played a key role in developing a comprehensive testing strategy, automating tests with Python.
- Spearheaded team initiatives to integrate Python scripts, improving efficiency and automation.
- Assisted in developing and maintaining a scalable back-end architecture, ensuring seamless data flow and robust application performance.
- Assisted in designing and optimizing database schemas, and wrote SQL queries to support application features and data retrieval.\
- Implemented version control systems (e.g., Git) to streamline development processes and enhance team collaboration.
- Conducted code reviews and provided constructive feedback to ensure high coding standards and best practices within the team.
- Participated in cross-functional team meetings, contributing to strategic planning and project management efforts.

August 2022 –January 2023
Centrive Technologies, Inc. | Caloocan City, Philippines
Junior Operation Manager and Data Analyst

Key Achievements:
- Utilized data analytics to identify operational inefficiencies and implemented solutions that improved workflow.
- Developed and maintained databases to ensure accurate and timely data collection and reporting.
- Assisted in creating reports and presentations for management, providing insights that supported decision-making.
- Collaborated with various departments to understand data needs and provided necessary analysis.
- Contributed to process improvements that enhanced overall operational efficiency.

- Assisted in the development and implementation of data-driven strategies to optimize operations and reduce costs.
- Coordinated with IT teams to ensure seamless integration of data analytics tools and software.
- Provided training and support to team members on data analysis techniques and best practices.

EDUCATION

Present   **Master of Information Technology**
Polytechnic University of the Philippines | Sta. Mesa, Metro Manila
- Major: Data Analytics

July 2023   **Bachelor of Science in Information Technology**
Manuel S. Enverga University Foundation | Lucena City, Quezon Province
- Major: Web and Mobile Application
- GWA: 1.314
- Latin Honors (Cum Laude)

EXISTING PROJECTS

DGCA 59 APAC Conference Website
Date of creation: November 2023

Key Achievements:
- Developed a comprehensive full-stack web application using the Laravel framework, enabling efficient and secure file management systems.
- Implemented a robust meeting room reservation API, streamlining the booking process and improving user experience.
- Integrated a secure access code API using RESTful services, significantly enhancing system security and user authentication.
- Leveraged Tailwind UI libraries to deliver a utility-first design, ensuring a highly flexible, responsive, and visually appealing interface for end-users.
- Utilized Laravel's middleware APIs to establish secured route endpoints, ensuring data integrity and protection across all interactions.
- Incorporated advanced data analytics to monitor and report on user interactions, providing valuable insights for continuous improvement and optimization.
- Applied MySQL databases to support backend features, ensuring reliable data storage and retrieval.
- Optimized backend authentication processes with Google APIs and implemented cloud backups, ensuring data security and availability.
- Developed custom dashboards using Power BI to visualize key performance indicators and user trends, enhancing decision-making capabilities.
- Employed data mining techniques to extract actionable insights from user interaction data, driving strategic improvements.
- Automated data collection and reporting processes to provide real-time analytics and facilitate informed decision-making.

- Utilized Python libraries (pandas, NumPy) for data preprocessing and analysis, enhancing the overall user experience through data-driven insights.

Online Height Clearance Permit/Height Limitation
Date of creation: October 2023

Key Responsibilities:
- Developed the application with Laravel and PHP.
- Constructed a clearance application system used as a requirement for building permits that are within a critical area radius.
- Improved API authentication for building contractor's application.
- Delivered detailed research for data analytics with Tableau
- Contributed to the backend features for application verification features.
- Integrated ticket API using RESTful to help sequence the application.
- Applied React for front end designs by using Laravel Intertia.
- Implemented MUI libraries for a more responsive design.
- Developed relational databases for building owners and contractors.
- Designed the committees for application approvals.
- Compiled system tests and auth integrity.
- Added a more optimized application-processing feature to enhance efficiency and user experience.

Aeronautical Information Publication
Date of creation: April 2024

Key Responsibilities:
- Streamlined publication website that archives real-time information for pilots and engineers using Laravel and PHP/Python.
- Applied Python integrations for data analytics and dashboards.
- Implemented UI libraries such as TailwindCSS and SASS.
- Implements and optimized file management with RESTful API.
- Optimized backend authentication and implemented third-party authentication with Laravel Socialite.
- Maintained backend feature and optimized data loads with a sustainable solution for a long-term management.
- Utilized advanced data analytics tools, including Power BI and Python libraries (pandas, NumPy), to monitor user interactions and performance metrics.
- Automated data collection and reporting processes, enabling real-time analytics and facilitating continuous improvement.
- Collaborated with cross-functional teams, ensuring seamless integration and alignment of data-driven solutions with organizational goals.

Trainings and Certifications

- SAP Analytics Cloud Enablement
- Starup101: Foundations of Startup
- Introduction to Database Course
- Classroom to NOC

- Cyber Leadership Seminar
- Project Management 101: Introduction to Traditional, Hybrid, and Agile Project Management
- DICT – WordPress Web Content Management Using WordPress
- DevOps Beginners to Advanced
- The Complete Project Management Fundamentals