Geraldine P. Ferreras

Full Stack Developer | Software Associate | Data Encoder

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Summary

Full Stack Developer with hands-on experience in **React.js, PHP (CodeIgniter, Laravel)**, and **Node.js**. Skilled in building scalable web applications, designing **RESTful APIs**, and implementing secure authentication, while applying **Agile Methodologies** to ensure efficient and adaptive development.

Education

Don Honorio Ventura State University   **Aug 2021 - Aug 2025**
Bacolor, Pampanga   Bachelor of Science in Information Technology

- **GPA:** 1.341 | **Magna Cum Laude**
- **Honors:** Dean's List (2021-2024), President's List (2025)

Pampanga High School   **June 2019 - July 2021**
San Fernando, Pampanga   Science, Technology, Engineering, and Mathematics

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Experience

Freelance Web Developer   **June 2025 - Present**
Student Classroom Management System

- **Built a full-stack academic management system** (React.js, CodeIgniter 3, MySQL).
- **Implemented JWT authentication**, QR code attendance, and file uploads.
- **Developed dynamic modules** for announcements, grades, and materials with real-time notifications.
- **Designed RESTful APIs** in MVC architecture and tested with Postman.

Tarellia Solutions OPC   **Feb 2025 - May 2025**
    San Agustin, City of San Fernando Pampanga

- *Associate Software Engineer*: Built responsive web apps (React.js, Tailwind CSS), developed REST APIs (Node.js/Express), and implemented JWT authentication.
- *Documentation Controller*: Prepared technical docs and system flowcharts; created standardized data templates reducing audit cycles by 30%.
- *Quality Assurance*: Conducted UAT, streamlined QA processes, and reduced submission errors through rigorous testing.

PESO City Government of San Fernando, Pampanga   **Jun 2023 - Jun 2024**
Data Encoder (SPES)

- Entered and managed data and daily logs for job applicants, job seekers, and mayor's permits.
- Prepared source data for computer entry by compiling and sorting information.

Projects

Smart Classroom Management System (SCMS)   **June 2025 - Present**

- Full-stack academic management system (**React.js**, **CodeIgniter**, **MySQL**). Implemented **JWT authentication**, QR-based attendance, dynamic class modules, and **REST APIs** with **MVC structure**.

React.js, CodeIgniter, RestAPI, MVC, JWT, MySQL

Salesforce CRM Implementation   **Feb 2025 - May 2025**

- **Deployed and managed Salesforce CRM** to streamline lead, opportunity, and pipeline management.
- Implemented **JWT-based authentication** for secure signup, login, and password recovery.
- **Tech Stack & Tools:** HTML, CSS, JavaScript, MySQL, Bootstrap, RESTful API, JWT, Navicat, Postman, TortoiseSVN

MobilityCom: An IoT Based Glove For Patients To Communicate Their Needs Through Finger Movements   **June 2023 - Sept 2024**
Project Lead
https://mobilitycom.satemp.site/home/login

- Reduced communication time for patients by digitizing hand gestures.

Certifications

Hour of Code – AI Ready ASEAN Programme (ASEAN Foundation, Google.org, DICT Aurora)   **Aug 30, 2025**
Allan A. Custodio

Certificate of Completion as Software Associate   **May 19, 2025**
Tarellia Solutions OPC

Cloud Foundations   **August 26, 2024**
Great Learning Academy

WordPress with Docker   **August 24, 2024**
Great Learning Academy

AWS training and certification: SaaS Business Fundamentals   **December 07, 2023**
Amazon

Skills

Languages

Javascript, Python, C++, PHP

Frameworks

React.js, Angular, Bootstrap, Codeigniter, Next.js, Laravel

Organizational

Time Management, Working under Pressure, Communication, Attention to detail

Databases/Tech Stack

MySQL, HTML, CSS, JavaScript

Google Worspace

Google Docs, Google Sheets, Google Slides, Google Calendar, Gmail, Google Drive

Developer Tools

Git, VS Code, Navicat, DBeaver, Postman, TortoiseSVN

Achievements

Paper Presentation International: MobilityCom: An IoT Based Glove For Patients To Communicate Their Needs Through Finger Movements.   **April 4, 2025**
Philippine Society of Information Technology Educators