

JOHN EBRIAN S. MANALO

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Skilled and motivated computer programmer and developer, knowledgeable in software engineering and data science. Prioritizing to make high-quality programs and organized codes. A good communicator with excellent problem-solving skills and passion for continuous learning.

SKILLS

- **Computer Programming & Developing:** HTML, CSS, JavaScript, JSON, ReactJS, VueJS, Python, Django, & SQL
- **Relational Database Management Systems (RDBMS):** MySQL, PostgreSQL, SQLite
- **Operating Systems:** Linux & Windows
- **Version Control:** Git & GitHub
- **Cloud & On-premise Services | Infrastructure:** AWS, Heroku, Netlify
- **DevOps:** CI/CD - GitHub Actions
- **Web Servers:** Nginx & Apache
- **Virtualization:** Hyper-V, VirtualBox, & Windows Subsystem for Linux (WSL)
- **Containerization:** Docker
- **Others:** Object Oriented Programming (OOP), Application Programming Interface (API), Computer Networking
- **Data Science:** Exploratory Data Analysis (EDA), Descriptive Analysis, Comparative Analysis, Predictive Analysis, Prescriptive Analysis, Machine Learning Techniques & Algorithms
- **Problem Solving & Communication**

EXPERIENCE

ILGU, One Document Corporation – Full-stack Developer

OCTOBER 2023 – PRESENT

- **Integrated Local Government Unit System (ILGUS):**
As a Full-stack Developer, contributed to the development, testing, deployment, support, maintenance and implementation of the **Integrated Local Government Unit System (ILGUS)**, an online web-based application for multiple local governments.

Module's:

- Business/Building Permit & Real Property Tax

Local Government Units (LGUs):

- **City Government of Lipa, Batangas** (OCTOBER 2023 – PRESENT)
- **City Government of Bacoar, Cavite** (NOVEMBER 2023 – PRESENT)
- **Municipal Government of Pateros, Metro Manila** (FEBRUARY 2024 – PRESENT)
- **Municipal Government of Alcala, Pangasinan** (SEPTEMBER 2024 – PRESENT)
- **Municipal Government of Pugo, La Union** (MARCH 2025 – PRESENT)

External System Integrations:

- LandBank of the Philippines (LBP) LinkBiz Portal, MultiSys, PisoPay

Technical:

- **Languages/Frameworks:** Python (Django), PHP, JavaScript (VueJS), SQL, CSS/SASS
- **Databases:** PostgreSQL & MySQL

- **Tools & Infrastructure:** Git, GitHub, Postman, Docker, REST APIs, AWS, Heroku, On-premise, Computer Networking
- **Systems, Servers & Network:** Windows, Ubuntu, Nginx, Apache, SSL, DNS, LAN, WAN, SSH

INDEPENDENT CONTRACTOR, Dental Designs – Full-stack Developer

MARCH 2025 – JUNE 2025

- **Contract-Based Digital Solutions:**

- Solely designed, developed, and implemented end-to-end digital solutions for dental clinics, transforming physical processes into digital systems. Handled everything from software development and hardware facilitation to network configuration and full system integration.

Technical:

- **Languages/Frameworks:** Python (Django), JavaScript (ReactJS), SQL, CSS/SASS
- **Databases:** PostgreSQL
- **Tools & Infrastructure:** Git, GitHub, Postman, CI/CD, REST APIs
- **Systems, Servers & Network:** Windows, Ubuntu, Nginx, LAN

CICS, Batangas State University – Web Developer

JUNE 2022 – AUGUST 2022

- **On-the-Job-Training:**

- Developed a university job portal system to connect students with job opportunities and bridge the gap between academy and industry.

REMOTE, Part-Time, Remotask – Tasker/Reviewer

DECEMBER 2019 – MAY 2020

- **2D/3D Image Annotation/Segmentation, LiDAR:**

- Worked on micro-jobs related to Artificial Intelligence. Specialized in 2D/3D image annotation, segmentation, and LiDAR data labeling.

EDUCATION

Batangas State University – BS Computer Science

AUGUST 2019 – AUGUST 2023

Lipa City, Batangas, Philippines

ACHIEVEMENTS

- Integrated Local Government Unit System (ILGUS)
- Dental Designs Web System (*Individual, Contract-based Project, MARCH 2025*)
- Smart Analysis of Learners Performance using Data Mining and Learning Analytics (*Research*)
- Tagalog Dubbed K-Drama Video Streaming Web-Based Application (*Personal Project, JANUARY 2021*)
- University Job Portal Web-Based System (*Internship, AUGUST 2022*)
- **Seminar/Conference/Contest:** BITS Synergy Student Conference, ADSS Design Thinking Contest, AICS Technolympics: The Great Hackathon
- **Certificates:** JavaScript Intermediate (*sololearn*), Introduction to JavaScript (*sololearn*), Introduction to HTML (*sololearn*), Introduction to CSS (*sololearn*)