

# JOHN EBRIAN S. MANALO

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Skilled and motivated computer programmer and developer, knowledgeable in software development 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, PHP, Python, Django, & SQL
- **Relational Database Management Systems (RDBMS):**
  - MySQL, PostgreSQL, & SQLite
- **Operating Systems:** Linux & Windows
- **Version Control:** Git & GitHub
- **Cloud & On-Prem Services | Infrastructure:**
  - Infrastructure as a Service (IaaS): Amazon Web Service (AWS) – IAM, EC2, S3, RDS
  - Platform as a Service (PaaS): Heroku & Netlify
  - Web Servers: Nginx & Apache
- **Virtualization:**
  - Hyper-V, VirtualBox, & Windows Subsystem for Linux (WSL)
- **Others:** Object Oriented Programming (OOP), Application Programming Interface (API), Computer Networking
- **Data Science:**
  - **Data Analysis:** 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, Agile, Hardware
- **Systems, Servers & Network:** Windows, Ubuntu, Nginx, Apache, SSL, DNS, LAN, WAN, SSH

### INDEPENDENT CONTRACTOR, Dental Designs – Full-stack Developer

MARCH 2025 – PRESENT

- **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, Remotask – Tasker/Reviewer

DECEMBER 2019 – MAY 2020

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

- Worked on micro-jobs related to Artificial Intelligence.

## 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*)