

# Jean Francois Thomas Berin

+63 927 169 6391 | [berinjeanfrancoisthomas@gmail.com](mailto:berinjeanfrancoisthomas@gmail.com) | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

## TECHNICAL SKILLS

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**Languages:** HTML, CSS, JavaScript, Python

**Developer Tools:** GitHub, Linux, Visual Studio Code, Figma, Adobe Photoshop

**Other Technical Skills:** API Integration, JSON, SEO

## EXPERIENCE

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### Undergraduate Student Researcher

July 2022 – July 2023

*University of the Philippines Diliman*

*Diliman, Quezon City*

- Led a multidisciplinary team of 3 to develop an IoT indoor air quality monitoring system using C++, Python, and Arduino IDE.
- Engineered a star topology network, optimizing client-server communication via the UDP protocol, resulting in a **59%** decrease in latency compared to a mesh topology.
- Integrated real-time data transmission to a ThingsBoard dashboard, enabling continuous environmental monitoring across multiple locations.
- Enhanced sustainability by reducing sensor node power consumption by **32%** with light sleep mode in ESP32.

## PROJECTS

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### Movie Website | *HTML, CSS, JavaScript, API, GitHub*

August 2024 – August 2024

- Developed a dynamic movie website using HTML, CSS, and JavaScript, delivering an engaging user interface.
- Integrated a movie database API with JavaScript to fetch and display real-time movie data.
- [Live View](#)

### Dental Clinic Website | *HTML, CSS, JavaScript, SEO, Tidio, Calendly, GitHub*

June 2024 – June 2024

- Built a tailored website by maintaining continuous client communication to integrate desired features.
- Increased organic traffic by **40%** and improved search engine rankings by **25%** within 2 months of launching and optimizing the website.
- Deployed a Tidio chatbot for automated customer service, reducing response time by **50%**.
- Implemented Calendly for seamless appointment scheduling through clickable hyperlinks.
- [Live View](#)

### Coffee Shop Website | *HTML, CSS, JavaScript, JSON, GitHub*

October 2023 – June 2024

- Designed frontend components, including key pages and login, using HTML and CSS.
- Employed CSS media queries and JavaScript for exceptional mobile responsiveness.
- Crafted a robust "Add to Cart" feature with JavaScript and JSON to enhance e-commerce functionality.
- [Live View](#)

## EDUCATION

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### University of the Philippines Diliman

Diliman, Quezon City

*Bachelor of Science in Electronics Engineering*

*2023*

- **Honors:** Cum Laude
- **University Organization:** UP Engineering Radio Guild
- DOST-SEI Merit Scholarship Awardee

## CERTIFICATIONS

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### Licensed Electronics Engineer and Electronics Technician

May 2024

*Professional Regulation Commission*

### Software Engineering Job Simulation

October 2023

*JPMorgan Chase & Co.*