

# Arthur M. Artugue

arthurartugue392@gmail.com | LinkedIn: [linkedin.com/in/arthur-artugue](https://www.linkedin.com/in/arthur-artugue)  
Github: [github.com/majjinB](https://github.com/majjinB) | Portfolio website: <https://arthur-irid-delta.vercel.app>

Computer Science student with strong analytical and problem-solving skills, interested in applying information technology to solve real business challenges. Experienced in backend development, data-driven systems, and collaborating in team-based projects. Seeking an IT internship where I can take ownership of projects, learn from global teams, and grow as a future technology leader.

## Education

### University Of Makati

West Rembo, Taguig

### Bachelor's of Science in Computer Science

August 2022 - Present

- **Relevant Coursework:** Computer Programming (Java, PHP, C#), Object-Oriented Programming, Software Engineering, Web & Mobile App Development, Discrete Math, Probability & Statistics, Information Management, Project Management

## Relevant Experience

### JP Morgan – Virtual Software Engineering Job Simulation (Forage)

Remote

### Software Developer

December 2025

- Implemented Kafka integration for real-time transaction processing, ensuring accurate event-driven workflows.
- Built transactional services using Spring Data JPA with H2 database for balance updates, entity modeling, and validation.
- Exposed REST endpoints to query user balances in JSON, supporting seamless client interactions.

### University of Makati Educational Development Foundation Inc

West Rembo, Taguig (Remote)

### Web Deployment Coordinator

September 2025 - Present

- Deployed and maintained WordPress websites, managing domains, hosting, and configurations to ensure uptime and accessibility.

### Aral

Remote (Online Business)

### Project Coordinator

February 2025 - May 2025

- Led and coordinated a 3-person team to deliver 10+ academic reviewers for clients.
- Acted as primary client liaison, gathering requirements and ensuring alignment with deliverables.
- Ensured timely project completion by tracking progress and resolving issues proactively.

### Aqua Fresco Beach Resort

Bangatalinga, Iba, Zambales (Remote)

### Backend Developer

June 2024 - July 2024

- Developed RESTful APIs to support booking, payment, and transaction workflows.
- Integrated PayMongo to enable secure online payments
- Designed a scalable Firestore database for reliable deployment and future growth

## Projects

### Heron Wellnest - Mobile and Web App (Academic Project)

West Rembo, Taguig

### Machine Learning Engineer and Backend Developer

September 2025 - Present

- Designed system architecture, PostgreSQL database, and GCP cloud infrastructure for a gamified student mental well-being platform.
- Built backend APIs with Node.js and Express.js, and implemented a Python/FastAPI ML microservice for behavioral analysis.
- Collaborated with team members to translate requirements into technical solutions and present results.

### Deck - Mobile App (Academic Project)

West Rembo, Taguig

### Backend Developer

February 2025 - May 2025

- Built 5+ RESTful and RPC APIs using Node.js, Express, and Firebase for AI-powered flashcards, quizzes, and task management.
- Integrated Gemini AI for automatic flashcard generation, reducing manual prep by ~80%.

- Designed a scalable Firestore schema and implemented OAuth 2.0 authentication for secure multi-user testing.

#### **Archivary - Desktop App (Academic Project)**

*West Rembo, Taguig*

#### **Backend Developer**

*November 2023 - January 2024*

- Designed the MariaDB database schema to manage books, users, reservations, and borrowing activity.
- Implemented application logic and functionality for all user interactions, including adding books/users, making reservations, and borrowing books.
- Enabled activity tracking and management for all roles, integrating database operations seamlessly with the application logic.

#### **Achievements, Certificates and Curriculars**

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- JP Morgan – Virtual Software Engineering Job Simulation (Forage) - December 16, 2025
- Information Technology Specialist – Databases (CertNexus / Pearson VUE) - December 5, 2025
- DICT Advanced Level of Software Engineering - March 2024
- DICT Using Firebase as an Application Backend - June 2024
- DICT Advanced Level of Cloud Computing - August 2024
- UMAK InfotechnOlympics 2024 Android App Development Category Participant - October 2024
- UMAK InfotechnOlympics 2023 .Net Programming Using C# - November 2023
- UMAK Panelist – COMPROG2 & INFOMAN Final Project Presentation (I-DCSAD) – June 2024

#### **Skills**

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##### **Technical Skills**

- **Languages/Frameworks:** Java, C#, SpringBoot, JavaScript, TypeScript, Node.js, ExpressJs, Python, HTML, CSS, NextJs
- **Database/Hosting:** Postgres, MySQL, MariaDB, Google Cloud, AWS, Firebase, Vercel, GoDaddy
- **Tools/Platforms:** Git, Github, Postman, Docker, Paymongo API, Gemini API, OpenAI API, Figma

**Soft Skills:** Analytical & problem-solving, teamwork & collaboration, project, management, adaptability, time management, work ethic, communication, fast learner