
JADE JAPHET RUGAS

INFORMATION TECHNOLOGY

Technological Institute of the Philippines (TIP) M

Address: 2977, Onglamco Bldg Sampaloc Manila City

Email Address: rugas.jadejaphet.123@gmail.com

Cellular No.: +639560469067



CAREER OBJECTIVE

Seeking a challenging and dynamic Information Technology position that offers opportunities for growth and skill enhancement. Dedicated to leveraging my technical expertise, problem-solving abilities, and innovative mindset to contribute effectively to a forward-thinking development team. Committed to supporting the organization's mission, vision, and strategic goals through continuous improvement and collaboration in various IT domains.

DESIGN PROJECTS COMPLETED/ RESEARCHES

Capstone - EcoCycle: Streamlining Sustainable Technology Donations through an Efficient Web-Based Platform

As the main developer, I led a three-member team in creating EcoCycle, a platform for computer parts donation developed with Node.js, Express, Prisma, and MongoDB. EcoCycle aims to streamline technology disposal, promoting a circular economy and reducing e-waste. Key features include geolocation integration for efficient drop-off locations and an analytics dashboard for monitoring donation activities. We adopted Agile methodology to ensure efficient development and project delivery.

Marine Management System

As a full-stack developer, primarily focusing on backend tasks, I developed the Marine Management System, an online platform connecting marine professionals with their companies, using Next.js. Collaborating within a three-member team, I implemented serverless PostgreSQL with Neon, Drizzle ORM for efficient data management, and Lucia for secure authentication. The platform also integrates Cloudinary for comprehensive file management and Zod for data validation. This centralized space facilitates communication, resource sharing, and updates within the marine industry, streamlining operations and enhancing connectivity.

SparkFlow: Secure Web Application for User Privilege Management

As the main developer, I developed SparkFlow, a robust web application built using Node.js, Express, Prisma, and MongoDB, and hosted on Render. The application focuses on user privilege management, employing MongoDB's document-oriented architecture to handle varying privilege structures. It emphasizes data security with features such as bcrypt password hashing, encryption techniques, and strict access controls. Integration with Render ensures seamless deployment, automatic SSL certificate provisioning, and scalable infrastructure, enhancing the application's performance and security.

Thrifty Haven: Thrift Shop Management System:

Contributed to the development of Thrifty Haven, a thrift shop management system, emphasizing security and efficiency. Leveraged Next.js for frontend and Neon for serverless PostgreSQL. Implemented Lucia for secure authentication, Zod for form validation, and Drizzle for query management. Enabled seamless communication between the store and customers through RESTful API, enhancing operational efficiency and customer experience.

ON-THE-JOB TRAINING/ PRACTICUM/ INTERNSHIP EXPERIENCE

- **Full Stack Web Developer Intern**
Linoflap Technology Philippines Inc.
539 Arquiza St, Ermita, Manila
February 28, 2024 – June 11, 2024
 - Led and manage the creation of an online platform for marine and cargo management.
 - Developed both backend and frontend features for web projects.
 - Utilized a range of technologies including Next.js, Prisma, Drizzle, Zod, Lucia, and Cloudinary.
 - Implemented server actions, API endpoints, and managed database interactions.
 - Ensured seamless integration of backend functionalities with the frontend interface.
 - Handled media management and optimized delivery using Cloudinary.

KNOWLEDGE, SKILLS AND ATTITUDE

Having graduated from TIP with its orientation towards outcome-based education, I have acquired and can demonstrate the following student acquire outcomes (knowledge, skills and attitudes) necessary to the practice of the computing profession:

- *Analyze complex problems and identify and define the computing requirements appropriate for solution.*
- *Use modern techniques and tools of the computing practice in complex activities.*
- *Understand professional, ethical, legal, security and social issues and responsibilities relevant to professional computing.*

Technical Skills:

- **Frontend Development:** Proficient in HTML, CSS, JavaScript, and frameworks such as Tailwind CSS and Bootstrap. Experience deploying web applications using Render and Vercel.
- **Backend Development:** Skilled in TypeScript, Node.js, and Express.js. Proficiency in utilizing databases like PostgreSQL, MySQL, MongoDB, and Neon for serverless PostgreSQL. Knowledge of authentication mechanisms including Lucia, Next Auth, and JWT.
- **Database Management:** Experienced in database management systems such as PostgreSQL, MySQL, MongoDB, and Neon for serverless PostgreSQL.
- **Version Control:** Proficient in version control using Git and GitHub.
- **API Development:** Knowledgeable in RESTful API development. Proficient in testing APIs using Postman.
- **Google Workspace:** Proficiency in Google Workspace applications including Docs, Sheets, and Slides.

SEMINARS AND TRAININGS ATTENDED

- Cloud Security
Room 301, TIP Casal Campus
November 17, 2023
- IOT and Big Data: Exploring the Data Driven Future
Zoom Meetings
October 28, 2023
- Security Information and Event Management Seminar
Google Meet
October 07, 2023
- Edge Computing
Career Center Training Room 3, TIP Arlegui Campus
September 15, 2023
- Awareness: Cyber Security and Resilience
Webinar Zoom Meetings
October 15, 2022

EXTRA AND CO-CURRICULAR ENGAGEMENTS AND VOLUNTEER WORKS

- NSTP Teaching Program
(Manila) - Baranggay 385
Volunteer Leader
January 30, 2020

OTHER SKILLS

- Team Player
- Continuous Learning
- Attention to Detail
- Proficient in AI Tools
- Adaptability
- Collaboration

ACADEMIC AWARDS AND ACHIEVEMENTS

- Participant in APPCON 2023
- Participant in Samsung Create 2023
- Dean's Lister, 1st sem 2023 - 2024
- President's Lister, 1st to 2nd sem 2022 - 2023

REFERENCES

Jack Vicente Bicera
Software Engineer
Linoflap Technology Philippines Inc.
jvbicera03.bn@gmail.com
09090867000

Alfio Regla
Capstone Adviser
Technological Institute of the Philippines
aregla.it@tip.edu.ph
09067702160