JADE JAPHET RUGAS

INFORMATION TECHNOLOGY

Technological Institute of the Philippines (TIP) M

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CAREER OBJECTIVE

Seeking an internship in Information Technology to apply acquired skills and knowledge. Eager to contribute fresh ideas and actively support the organization in achieving its strategic and operational objectives. Committed to gaining hands-on experience to further build and improve my skills in a real-world professional setting.

DESIGN PROJECTS COMPLETED/ RESEARCHES

CycleUpTech: Geolocated Donations & Analytics-backed E-Marketplace - A Web Solution for Repurposing Old Computers
Being the main developer on the ongoing capstone project, we've created a web-based system to encourage the reuse of electronic devices. It facilitates organization and individual contributions, implementing geolocation features for efficient drop-off locations. The project also includes a designed recognition system and real-time analytics for tracking and analyzing electronic device donations.

SparkFlow: A Secure Web Application for User Privilege Management using Node.js, Express, Prisma, MongoDB, and Render
As the main developer, I led the development of a robust web application utilizing Node.js, Express, Prisma, and MongoDB, hosted on Render. This application focuses on user privilege management, employing MongoDB's document-oriented architecture to handle varying privilege structures efficiently. With an emphasis on data security, features include bcrypt password hashing, encryption techniques, and strict access controls. Additionally, the integration with Render ensures seamless deployment, automatic SSL certificate provisioning, and scalable infrastructure, bolstering the application's performance and security.

EcoCycle: Streamlining Sustainable Technology Donations through an Efficient Web-Based Platform
As the main developer of EcoCycle, I led a team in creating a platform for computer parts donation, employing Node.js, Express, Prisma, and MongoDB. EcoCycle aims to streamline technology disposal, promoting a circular economy and reducing e-waste, with features like Geolocation Integration and an Analytics Dashboard. Adopting Agile methodology, we ensure efficient development, with responsibilities allocated among team members for smooth coordination and project delivery.

ON-THE-JOB TRAINING/ PRACTICUM/ INTERNSHIP EXPERIENCE

- Web Developer
  Linoflap Technology Philippines Inc.
  539 Arquiza St, Ermita, Manila
  February 28, 2024 - April 19, 2024

  - Led a team project using Next.js 14, implementing app routing and managing backend development.
  - Developed server actions and APIs for seamless communication using Node.js and Next.js.
  - Managed team roles and tasks efficiently to ensure project milestones were met.
  - Utilized serverless databases such as Neon and MSSQL on Azure for robust data management.
  - Implemented authentication systems including Next Auth and Lucia Auth for secure user access.
  - Employed Tailwind CSS for streamlined UI development and enhanced user experience.
  - Utilized Git and GitHub for version control and collaborative development workflows.
  - Communicated effectively within the team and with supervisors, providing updates and addressing project requirements and concerns promptly.

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.*

SEMINARS AND TRAININGS ATTENDED

- Security Information and Event Management
  Google Meet
  October 07, 2023

- Unleashing the Power of Data Processing and Analytics
  Zoom Meetings
  September 29, 2023

- Edge Computing
  Career Center, TIP Arlegui Campus
  September 15, 2023

EXTRA AND CO-CURRICULAR ENGAGEMENT AND VOLUNTEER WORK

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

OTHER SKILLS

Technical Skills:

- Programming Languages:
  - JavaScript (Node.js, Express, Prisma)
  - Java
  - SQL
- Libraries & Frameworks:
  - React
  - Express
  - Next.js
- Database Management:
  - MongoDB
  - Firebase
  - MySQL
  - PostgreSQL
  - Neon Database
- Tools:
  - Git
  - GitHub
- Web Development:
  - HTML
  - CSS
  - JavaScript
  - Tailwind CSS
- Cloud Platform:
  - Render
- Networking:
  - Knowledge of network protocols and topologies

Computer Skills:

- MS Office (Word, Excel, and PowerPoint)
- Google Workspace(Docs, Sheets, and Slides)
- Google Drive

Soft Skills

- Adaptability: Quick adjustment to new situations and environments.
- Resourcefulness: Clever and efficient problem-solving.
- Attention to Detail: Precision in coding and documentation.
- Critical Thinking: Logical analysis for informed decision-making.
- Self-Motivation: Takes initiative, sets goals, and achieves tasks independently.

REFERENCES

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