Kean Jieden Villaflor

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Skills

JavaScript | TypeScript | Next JS | React JS | Node JS | Python | HTML5 | CSS3 | UI/UX Design | Frontend | Backend | Express JS | Shadcn | MUI | TailwindCSS | MySQL | PostgreSQL | MongoDB | Mongoose | Prisma | Git | REST | Unit Testing | Jest | GitHub | Docker | Figma | JWT |

Education

Bachelor of Science in Information Technology   2020 - 2024
University of Cebu - Main

University Capstone Project

[UCnian Guide Bot](#) **-** Capstone Project (Fullstack)
- Developed a web-based chatbot application to assist students or prospective students with inquiries at the University of Cebu - Main, enhancing user engagement and streamlining the information retrieval process.
- Led the design of the system architecture, UI/UX, and APIs, improving user experience and operational efficiency.
- Implemented a RESTful service with Node.js and Express, efficiently executing CRUD operations on a MongoDB database with Mongoose ODM to enhance system functionality and integration.

Projects

[Tasky](#) **-** Personal Project (Fullstack)
- Developed a dynamic task management application with intuitive drag & drop functionality.
- Implemented using ReactJS for the frontend, providing an intuitive user interface for task manipulation.
- Implemented a RESTful service with Node.js and Express, efficiently executing CRUD operations on a PostgreSQL database with Prisma ORM to ensure reliable data processing and storage.
- Containerized application with Docker for easy deployment and scalability.

[PSITS Student Portal](#) **-** Volunteer BSIT Organization Project (Fullstack)
- Developed a student web portal enabling PSITS officers to manage announcements, sell tickets and t-shirts, and create events. The portal also allows UC Main CCS students to create accounts for reserving and ordering event merchandise.
- Implemented using ReactJS for the frontend, providing an intuitive user interface for task manipulation.
- Implemented a RESTful service with Node.js and Express, efficiently executing CRUD operations on a MongoDB database with Mongoose ODM to enhance system functionality and integration.

[Damath](#) **-** Personal Project (SPA)
- Developed a two-player educational board game combining the board game "Dama" (Filipino checkers) and math.
- Implemented using ReactJS providing an intuitive user interface.