HAMIL DIMAPANAT

Software Engineer

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EDUCATION

State University of New York at New Paltz — New Paltz, NY
BS Computer Science — Sep 2019 - Dec 2023

- Relevant Coursework: Data Structures and Algorithms / Object Oriented Programming/ Software Engineering / Operating Systems / Data Science / Cyber Security Fundamentals

CERTIFICATIONS

AWS Certified Cloud Practitioner — March 2024

AWS Solutions Architect — In Progress

EXPERIENCE

Freelance Filmmaker & Photographer — Yonkers, NY
Filmmaker & Photographer — August 2018 - Present

- Collaborated with over 20 clients to conceptualize, plan, shoot, and edit a diverse range of projects, including short films, promotional videos, and music videos.
- Developed strong client relationships, consistently met and exceeded expectations by delivering projects within deadlines and budget constraints.

Volunteer Teaching Assistant, Web Dev Course — New York, NY
Code Nation — August 2023 - December 2023

- Taught web development basics (HTML, CSS, JS, React) to middle school students through interactive projects and collaborated with instructors on curriculum development.

PROJECTS

Rate My SUNY *MongoDB, React, Tailwind, Express, Node, JWT, Bcyrpt, Fly IO*

- Online platform designed to help students, alumni, and prospective learners with insightful reviews about the campuses within the State University of New York (SUNY) system.
- Features CRUD functionality for reviews and comments.
- User authentication/authorization with JWT and Bcrypt.

Printer Dynamix *Python, Bootstrap, HTML/CSS/JS, SQL, PHP*

- A printer management system for SUNY New Paltz printers. Worked on the front end to create a user-friendly interface. This app aims minimizes the time allocated to printer configuration and monitoring.

Flavor Frames *React, GPT-4 Vision, Node, Express, Prompting, Mongo DB, JWT,*

- *Utilizes OpenAI's image recognition API to analyze uploaded images of ingredients, then suggests recipes based on the identified items.*
- *CRUD Functionality: Enables users to create accounts, save recipes, and modify ingredients or steps as needed.*

Hamil-Dimapanat.Com *Typescript, React, Tailwind, Next.js, Vercel*

- *Personal portfolio that leverages Next.js server-side rendering and static site generation to deliver a fast, SEO-friendly user experience. The site is created to demonstrate my capabilities in responsive design and Tailwind.*

SUNY New Paltz TicketSense *HTML/CSS/Javascript, spaCy, Python, Flask, Heroku, SQL, fastText*

- *Trained a machine learning model using a data-set of over 5,000 resolved IT tickets. This model was then integrated into the back-end, enabling real-time ticket classification upon submission.*
- *Aimed to minimized IT ticket resolution times by helping desk personnel decide where to route a ticket.*

SKILLS

Programming Languages:	Java, Python, HTML/CSS/Javascript, SQL
Frameworks and Libraries:	Express, Node, Flask, React, Tailwind, Scikit, MUI, Bootstrap, Tailwind, Next JS
Tools:	Git, Visual Studio Code, Jupyter, Heroku, MongoDB, PostgreSQL, npm, Vite, AWS
Misc:	Redux, Cypress, Linux/Unix, REST , GraphQL, CI/CD, Docker
Languages:	English, Tagalog(Fluent), Cebuano(Fluent)