HAMIL DIMAPANAT

Yonkers, NY   dimapanat.hamil@gmail.com

github.com/hvmil   Software Engineer   hamil-dimapanat.com

RELEVANT EXPERIENCE / PROJECTS

Software Engineer (Back End) *-JavaScript, spaCy, Python, Flask, Heroku, SQL*   New Paltz, NY
SUNY New Paltz TicketSense   Aug 2023 - Dec 2023
- Developed a machine learning model using a dataset of 10,000+ tickets to classify IT tickets, enhancing help desk efficiency and SLA compliance.
- Implemented osTicket REST API for automated ticket submission following data processing.
- Conducted API testing using Postman to ensure the reliability and accuracy of automated ticket submissions.
- Applied secure coding practices, including input validation, to prevent vulnerabilities such as SQL injection and Cross Site Scripting (XSS).
- Utilized Flask for creating a lightweight yet powerful web framework to support the backend.
- Deployed the application on Heroku, ensuring continuous integration and delivery.

Full-Stack Developer *-MongoDB, React, Tailwind, Express, Node.JS, Fly IO*   New Paltz, NY
Rate My SUNY   Jan 2024 - Present
- Designed a scalable review platform for SUNY campuses leveraging the MERN stack.
- Implemented secure user authentication and authorization using JWT tokens and salted Bcrypt hashes, ensuring robust data protection.
- Deployed on Fly IO, solving load balancing and scalability challenges, ensuring high performance and reliability under heavy user traffic.
- Wrote integration tests for the API using Cypress and Node.js, ensuring application stability and performance through automated testing.
- Integrated Tailwind CSS for a responsive and modern user interface design.

Software Engineer *-Python, Bootstrap, HTML/CSS/JS, SQL, PHP*   New Paltz, NY
Printer Dynamix (Capstone Project)   Jan 2023 - May 2023
- Engineered a centralized printer management system using Python and PHP, streamlining configuration and troubleshooting for SUNY New Paltz.
- Implemented intelligent printer selection algorithms with Pandas, Geopy, and SQL, enabling efficient proximity-based printer discovery.
- Collaborated with a cross-functional team to design a responsive, user-friendly interface using Bootstrap and custom HTML/CSS, enhancing overall user experience and simplifying printer-related tasks.

Fullstack Engineer *-React, GPT-4 Vision, Node, Prompting, Mongo DB*   New Paltz, NY
Flavor Frames   Mar 2024 - Present
- Solved meal planning challenges by using OpenAI's image recognition to turn ingredient photos into personalized recipe suggestions.
- Enabled scalable user account creation, recipe saving, and editing, handling thousands of users efficiently with MongoDB.
- Implemented JWT for secure user access and integrated best practices like input validation and HTTPS enforcement.
- Utilized React hooks and state management to create a seamless and dynamic user experience.

SKILLS

Networking:	TCP/IP, DNS, DHCP, VPN, LAN/WAN
Cyber Security:	Nmap, Wireshark, tcpdump, iptables, SSH
Programming/Scripting Languages:	PowerShell, Bash, Javascript, Typescript, Python, Java, SQL
Operating Systems:	Windows, macOS, Linux, iOS, Android
Software/Applications:	Microsoft Office Suite, Active Directory, Office 365

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

PROFESSIONAL EXPERIENCE

Web Development TA   New York, NY
Code Nation   August 2023 - December 2023
- Delivered web development instruction (HTML, CSS, JavaScript, React) to middle school students via hands-on projects and collaborated on curriculum enhancement.

Freelance Filmmaker & Photographer   Yonkers, NY
Filmmaker & Photographer   August 2018 - Present
- Served Absolut Vodka and over 50 other clients by planning, filming, and editing projects.

Green Team Associate   Yonkers, NY
Groundworks Hudson Valley   June 2018 - August 2018
- Led 12+ habitat restoration projects and engaged 100+ volunteers through community and school collaborations.