Shashwot K C

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Work Experience

Mu Space Corp   **Bangkok, Thailand**
Software Engineer   Nov 2021 - Jun 2023
- Developed internal tools using React, Firebase, Gin, and MongoDB with features such as procurement generation/signing and van/Lab reservation which helped improve the overall output and work efficiency of the engineers by 70% reducing small parts procurement from a few weeks to a few days
- Improved existing AWS cloud architecture for ECS, ECR, and CloudWatch by developing policies and refining architecture minimizing operating costs by 25%

Rensselaer Polytechnic Institute   **Troy, New York**
Teaching Assistant   Aug 2023 - Dec 2024
- Supported instruction for Introduction to IT and Web Science with a class size of 60 students each semester facilitating office hour tutoring sessions, conducting labs, grading assignments, and offering help to students regarding Azure, Git, HTML, CSS, JavaScript, jQuery, and PHP

Education

Rensselaer Polytechnic Institute   **Troy, New York**
Master of Science in Information Technology (GPA 3.87/4.0)   Aug 2023 - Dec 2024
- **Concentration:** Software Design and Engineering
- **Relevant Coursework:** Programming Languages, Software Development
- **Achievements:** Gamma Nu Eta (Honor Society)

Webster University   **Bangkok, Thailand**
Bachelor of Science in Computer Science   Aug 2018 - Aug 2021
- **Honors:** Summa Cum Laude, Departmental Scholarship
- **Leadership positions:** President, IT Club

Projects

Masary Studios' Remote Scheduler
Application written in React/TypeScript, with features similar to Google Calendar to schedule jobs on remote installations leading to 90% reduction in travel expenses

Mixologics Mobile App
Mobile application written in React Native(TypeScript) that connects with Express MongoDB backend and Cloudflare R2 for images

Engrave Mobile App
Mobile application written in TypeScript through Expo which helps users learn language words through flashcards

Discord Bot
A discord bot that plays music through FFmpeg, perform admin actions, integrated to gpt-3.5 model

Skills & Interests

Programming Languages: JavaScript/TypeScript, Python, PHP, C/C++,
Frameworks/Libraries: Gin, React, React Native, Express, NodeJS, SvelteKit, JQuery
Tools: Git, Linux, MySQL, MongoDB, AWS ECS, Docker, HTML, CSS, Selenium, JWT