Yufan Yang

Denver, Colorado ✉ yang.yufan.916@gmail.com 📱 7202257254 in/yufan-yang-software github.com/yyf916999

SUMMARY

Software Engineer with 2+ years of professional experience in developing scalable and efficient full-stack application. Proficient in Python, Java, C++, with hands-on experience in cloud computing, containerization, and DevOps tools. Demonstrated ability to lead projects from conception to deployment, to testing and improvement in system performance and user satisfaction. Adept at working in fast-paced environments and collaborating with cross-functional teams to deliver innovative solutions.

EXPERIENCE

Software Engineer

Nagrastar LLC   **July 2022 - Present，Denver, CO**

- Designed and implemented a full-stack application for management of a company core application with 600+ instances using Python Flask and JavaScript. Reduced the resource needed for maintenance and monitor by 200%.
- Designed and implemented REST protocol to existing C++ applications, improving performance by 50% and increasing reliability.
- Implemented a dashboard in Golang using Grafanna and Prometheus to help display healthcheck status of other applications in the system, reducing resource needed for monitoring by 100%.
- Regularly maintained testing environment in Kubernetes, updated application versions using docker, and improved CI/CD pipeline in Gitlab.

CO-Founder & CTO

Blossoms AI   **March 2023 - May 2024，Boston, MA**

- As CO-Founder & CTO, I designed our software architecture and oversaw core strategies and product roadmap. Led a development team of 3 members for development work. After demoing our product to hundreds of teachers, we have received interests from 10 teachers in integrating our product into their curriculum.
- Designed and implemented a full-stack application in Reactjs and Python Flask, while utilizing fine-tuned GPT model to design personalized study plan in order to provide students the best education experience. Designed algorithms to optimize application performance, which resulted in a 200% improvement in performance result.
- Designed and implemented a production database in PostgreSQL and hosted the main application in AWS.

Software Engineer

Tianjin University   **May 2021 - August 2021，Tianjin, China**

- Helped design and implement a course evaluation application in C++ which let students evaluate their professors based on their experience taking the course.
- This helped other students choose their ideal classes in the future, which helped hundreds of students with their course registration dilemma.

PROJECTS

Peer assessment

Boston College • January 2022 – May 2022

- Working with group of 5, designed and implemented a web application using Django and Bootstrap to help teachers create peer assessments for homework/projects.
- This application helped improve peer assessment experience for both teachers and students by reducing the time it takes to create peer assessment and increasing the efficiency in completing the peer assessments.

EDUCATION

Bachelor of Arts in Computer Science Cum Laude

Boston College • Chestnut Hill, MA • 2023 • 3.71

Bachelor of Arts in Mathematics Cum Laude

Boston College • Chestnut Hill, MA • 2023 • 3.71

CERTIFICATIONS

AWS Cloud Practitioner

- Certified in overseeing an organization's cloud computing architecture, including designing, deploying, and maintaining cloud-based solution.

SKILLS

Python, Java, C++, Golang, HTML, React, Js, Kubernetes, Docker, AWS, SQL, Flask, Gitlab, Git, Django