Highly motivated and skilled Computer Science professional with experience in full-stack development, cloud computing, and system security, adept at RESTful API development. Proven ability to design, develop, and deploy scalable and efficient solutions. Passionate about leveraging technology to s...

Skills

JavaScript (React, Node, TypeScript), Python, Java, C/C++, SQL, Bash, React JS, GraphQL, Docker, Git, Postman, Jest, CI/CD, Jira, PostgreSQL, MySQL, Oracle DB, AWS, OCI, Linux

Experience

Software Engineer (Full Stack) at AR Systems Co., Ltd | Apr 2022 - Mar 2024

• Designed and deployed microservices on OCI Cloud, achieving 99.9% uptime with automated CI/CD pipelines.

• Engineered and optimized RESTful APIs using ASP.Net/C# and GraphQL, enhancing backend–frontend data exchange by 20%.

• Modernized UI using React.js, creating responsive components that improved usability and cross -device accessibility.

Teaching Assistant at Illinois Institute of Technology | Aug 2025 - Present

• Lead lab sessions for Systems Programming, guiding students through process management, concurrency, and scheduling concepts.

• Developed Python automation scripts to grade GitHub submissions and generate reports, improving grading efficiency by 50%.

Software Intern at AR Systems Co., Ltd | Aug 2021 - Feb 2022

• Assisted in debugging and testing backend VB.Net modules, ensuring stability and adherence to QA standards.

• Localized internal tools by implementing bilingual (Japanese–English) interfaces, improving accessibility for diverse teams

• Collaborated with developers to document and test new software features within Agile sprints.

Projects

SysScore — Linux Security Framework

• Developed a cross-platform real-time system call monitoring and risk assessment agent for Linux using eBPF, BCC, and Python.

• Implemented stateful process tracking, container-aware security, & ensemble anomaly detection (Isolation Forest, One-Class SVM, DBSCAN).

Benchmarking Cloud Performance — Bare Metal vs Containers vs Virtual Machines

• Benchmarked CPU, Memory, Disk, and Network performance across Baremetal, Docker Containers, and Virtual Machines on Chameleon Cloud.

• Automated benchmarking using Sysbench, iPerf, and Bash/Python scripts; visualized performance scaling with Matplotlib.

Education

Master of Science in Computer Science | GPA: 3.8

Bachelor of Engineering in Computer Science | GPA: 3.9