JASON LAM

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EDUCATION

Rensselaer Polytechnic Institute | B.S. in Computer Science   Jan 2020 – May 2022

GPA: 3.73 | Dean's Honors List, Cum Laude

Relevant Coursework: Data Structures, Computer Architecture, Intro to Algorithms, Software Principles, Programming Languages, Software Design & Documentation, Database Systems, Distributed Systems and Advanced Algorithms

SKILLS

Languages: C#, SQL, JavaScript, C++, Python, Java

Tools/Frameworks: .NET Core, Git, Entity Framework Core, GraphQL, Kafka, Ansible, Node.js, React, Docker, K8s, Terraform

EXPERIENCE

Software Engineer I   Sep 2022 - Present

Seismic Software | C#, .NET Core, SQL, Git, Kafka, Ansible

- Elevated our team's microservice performance by 20% through strategic management and execution of a comprehensive tech debt project, seamlessly upgrading our .NET Core framework to .NET Core 6 while resolving numerous dependency and compatibility issues
- Streamlined tenant creations in production by successfully integrating with an internal service's Kafka event bus, ensuring swift resolution of failures, reducing tenant creation times by 25%, and upholding a single source of truth architecture as part of an effective enterprise software design philosophy
- Refactored our service's Kafka readers and K8s deployments by addressing tech debt for an internal microservice, and leveraging said service's enhanced functionality and capabilities
- Resolved numerous customer reported bugs in priority of reported severity, accompanied by several meticulous root-cause analyses which ensured a swift resolution and a comprehensive understanding
- Managed our team's service failures in production by participating in a monthly on-call rotation while also effectively balancing this responsibility alongside regular sprint duties and tasks
- Created and updated comprehensive documentation on our team's service, covering infrastructure details, onboarding/setup procedures, and obsolete endpoints, resulting in improved accessibility and streamlined processes

Software Engineering Intern   May 2021 - Aug 2021

Paylocity | C#, React, Cypress, SQL

- Propelled product development by implementing several features in C# and React, such as a social widget share function, upgraded video client and playback capabilities, and two-way email drawers
- Facilitated efficient onboarding for incoming interns and new grads by creating SQL scripts to populate an empty PostgreSQL database, ensuring a structured environment that resulted in a significant reduction in onboarding time
- Ensured robust application functionality by crafting multiple end-to-end tests in Cypress, validating correct navigation and functionality within our team's service

Intro to Algorithms CS Mentor   May 2020 - Feb 2021

Rensselaer Polytechnic Institute | C++

- Taught, explained, and graded various assignments about key algorithmic concepts like algorithm running times and algorithm design techniques: greedy, divide-and-conquer, and dynamic programming
- Held office hours for 5 hours a week and grading student's homework/exams for 2 hours a week

PROJECTS

NYC Metropolitan Transportation Authority API Interface   Feb 2022 - April 2022

New York City | Javascript, Node.js

- Engineered and deployed a robust API interface using Javascript and Node.js to monitor and analyze real-time data on train delays, overall uptime, and current status in the New York City transportation system
- Utilized the MTA developers API to extract and parse comprehensive data on various transit options, encompassing buses, subways, and more