

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, Inc. | C#, .NET Core, SQL, Git, Kafka, Ansible

- Created and executed on a project plan to address enormous tech debt in our team's service: upgrading our .NET Core framework to .NET Core 6 while also resolving numerous breaking changes with related dependencies/packages and consequently improved our service's performance by 20%
- Implemented a successful integration with an internal service's Kafka event bus to create new tenants in production and to best adhere to a single source of truth architecture; consequently responsible for addressing tenant creation failures in an appropriate timeframe
- Refactored and overhauled our service's configuration of Kafka readers and K8s deployments by resolving some tech debt with an internal microservice and leveraging said microservice's new functionality and capabilities
- Responsible for our team's service failures in production through a monthly on-call rotation while also maintaining normal sprint duties and tasks
- Resolved numerous customer reported bugs in priority of reported severity as well as writing a detailed root-cause analysis follow up for client satisfaction and assurance
- Wrote and updated several pages of documentation regarding our team's service, including information about our infrastructure, onboarding/setup, deprecated and obsolete endpoints, performance tests, etc.

Software Engineering Intern

May 2021 - Aug 2021

Paylocity | C#, React, Cypress, SQL

- Implemented multiple new features and toggles using C# and React, including a new social widget share function, upgraded video client and playback, and two way email drawers
- Created SQL scripts to populate an empty PostgreSQL database for future incoming interns and new grads
- Wrote several end-to-end tests in Cypress to ensure proper application flow through our team's service
- Worked in a professional AGILE environment and reported ticket progress in daily standup meetings with the Acting Dev Lead, Product Team Lead, and Senior Software Engineers during 2-week sprints

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

- Developed and implemented an API interface using Javascript and Node.js to track when trains in NYC are delayed, what their overall uptime is, and what their current status is.
- Leveraged MTA developers API to retrieve and parse data about all transit options, including busses, subways, etc