

Ryan Racicot

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Education

University of Rochester

Rochester, NY

Bachelor of Science - Computer Science

May, 2020

Bachelor of Arts - Music, Audio and Music Engineer Focus

Professional Experience

Amazon Web Services - AWS Proton

New York, NY

Software Development Engineer

August 2020 - Present

- Designed and implemented large-scale software projects, prioritizing availability, stability, and performance, utilizing AWS services such as Lambda, DynamoDB, S3, ECS, CloudFormation, and OpenSearch, among many others.
- Undertook on-call responsibilities to ensure uninterrupted service availability worldwide, promptly investigating and resolving complex customer issues through comprehensive root-cause analysis.
- Led the design, review, and implementation of multiple customer-facing APIs for the AWS Proton SDK and CLI, collaborating closely with key stakeholders and customer experience experts to deliver an exceptional end-user experience.
- Played a pivotal role as a key contributor in a test-driven development environment, utilizing Kotlin, Java, Python, and Ruby for technical implementations.

Amazon Web Services - AWS Aurora

Seattle, WA

Software Development Engineer Intern

June 2019 - August 2019

- Designed and implemented an automated system to address recurring customer facing errors in a distributed database system, significantly reducing manual intervention and improving system reliability.
- Collaborated closely with senior engineers and subject matter experts to understand the intricacies of the distributed database system and identify recurring operator actions required during event triaging.
- Utilized Java, Node.JS, SQL, NoSQL, Python, and Bash.

University of Rochester Medical Center

Rochester, NY

Technical Assistant 3, Department of Anesthesiology

October 2018 - May 2019

- Designed and developed UX research platform to evaluate technical competency of 18,000 medical center staff via a daily questionnaire.
- Collaborated closely with potential investors, to gather requirements, understand user needs, and translate them into technical solutions for a proof of concept aimed at acquiring funding.
- Full-stack web development project, implemented using PHP, Python, Selenium, web scraping

DXC.technology

Williston, VT

Systems and Development Intern

May 2018 - August 2019

- Resolved 60% of outstanding security risks in business critical legacy Java WebSphere web application for **vtmedicaid.com**.
- SQL and NoSQL database design for medical claims information useful for healthcare providers.