

# Oscar Barbosa Aquino

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## LANGUAGES:

Proficient: C#, Java, TS, Python  
Intermediate: C++

## TECHNOLOGIES:

.NET, Azure, Git, Linux, React, SQL, Docker, MongoDB,  
Dev Ops, Redis

## WORK EXPERIENCE

### Microsoft - Software Engineer II

Redmond, WA

03/2022 - Current

- Developed a highly scalable platform for live site outage detection and mitigation, ensuring high availability and resiliency across multi-region faults. Spearheaded efforts to use AI as part of the detection and mitigation process, reducing costs by 90% in the SRE department.
- Led deployments from the infrastructure team for the 'Get Secure' initiative for Azure Cache for Redis, designing and building resilient and high-performing solutions for our platform to meet KPIs aimed at providing credential-free services for multiple cloud dependencies. Collaborated across multiple services to ensure seamless integration and high availability during migrations.
- Built a resiliency testing platform for Chaos Experiments on Azure, this tool allowed our team to fill our gaps on Zone Resiliency and region recovery bringing our SLA to 99.99% during region and zonal outages. Project allow our team to spearhead the effort to other Cloud services offered through the Azure platform.

### Microsoft - Software Engineer Intern

Redmond, WA

06/2021 - 08/2021

- Built a cloud platform for performance testing and benchmarking cache solutions offered through Azure, ensuring high-quality and regression-proof deployments. This resulted in substantial improvements in operational efficiency, cost reduction, and enhanced platform performance. Regressions were reduced by 50% year over year thanks to the platform.

### Baldonic - Software Engineer

Puebla, Mex

08/2021 - 12/2021

- Toshio Project: Development of a grader and competitive programming platform for programming courses for STEM schools. Available languages included C, Java, C++ and Python. Built using Angular, Docker, Laravel and MongoDB.

## EDUCATION

B.S. Computer Science and Technology at Instituto Tecnológico y de Estudios Superiores de Monterrey (2017 - 2021)

## COURSES AND CONGRESSES

Participant at ICPC competitions and ITESM programming competitions (2017 - 2021)

Organizer of Git course for beginners (ITESM, 2020, 2021)

Introduction to Networks Course (CISCO, 2017, 2018)

Competitive Programming Course (ITESM, 2017 - 2020)