Bryan Yue

Software Developer

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https://github.com/byue

ABOUT ME

Experienced Developer with a strong track record designing lasting solutions, mentoring junior developers, and driving multi-team initiatives to completion. Enjoys hikes and chess.

Tech Stack

- Cloud: Azure Ecosystem
- Languages: C#, C++, Java, Python
- Framework: .NET Core
- Storage: SQL, NoSQL
- Machine Learning: PyTorch, Pandas, Jupyter
- Testing: Moq, Fluent Assertions

SKILLS

- 8 / 10 — API and System Design
- 9 / 10 — Auto Remediation, Telemetry, and Metrics
- 7 / 10 — Asynchronous and Concurrent Programming
- 10 / 10 — Communication and Cross-Team Collaboration
- 9 / 10 — Packaging, Deployment and CI Processes

EDUCATION

Bachelor of Science, Computer Science

University of Washington

2014 - 2018

Magna Cum Laude

University of Washington

GPA: 3.89

Phi Beta Kappa Honor Society

University of Washington

2016 - Present

EXPERIENCE

Software Developer II

Microsoft | Redmond, WA | October 2019 - Present

Optimized on-premises cloud infrastructure and supported Azure-consistent scenarios.

- Designed support for IMDS, unblocking container orchestration scenarios.
- Reduced traffic 50x and decreased VM provisioning time 5 seconds with bulk VM metadata API backed by new .NET Core service.
- Reduced traffic 8x in compute critical path via VM agent protocol migration.

Software Developer

Bloomberg | New York City, NY | September 2018 – September 2019

Migrated petabytes of market data from legacy database to SamayDB within mission-critical 6-hour maintenance window.

- Reduced conversion times with caching and low-latency C++ techniques.
- Implemented recovery pathway for failed migration scenarios.
- Increased team productivity via automating environment setup and guides.

Machine Learning Engineer Intern

Kernel Labs | Seattle, WA | March 2018 – June 2018

Audio source separation with PyTorch. Achieved 82% test set accuracy.

- Created train, validation, and test sets with audio book web scraper
- Visualized data with MFCC. Cleaned, and normalized data.
- Trained BLSTM model with L2 regularization and dropout.