NATALIE CHEN

Performance Testing Engineer

(206) 555-9832 📞
natalie.chen@email.com ✉
Seattle, WA 📍

PROFESSIONAL SUMMARY

Detail-oriented performance testing engineer with experience in designing and executing load and stress tests for cloud-based applications. Skilled in JMeter, LoadRunner, and performance bottleneck identification. Proven ability to reduce application response times and improve end-user experience through well-structured test plans.

EDUCATION

Bachelor of Science in Computer Science

University of Washington – Seattle, WA │ 2019

Certifications

- Certified JMeter Tester – QA Automation Institute │ 2022
- ISTQB Certified Tester – Foundation Level │ 2020

SKILLS

- Load and Stress Testing — **Expert**
- JMeter, LoadRunner — **Expert**
- CI/CD Integration (Jenkins, GitLab) — **Expert**
- Apache, Tomcat, NGINX performance tuning — **Expert**
- SQL Query Optimization — **Expert**
- REST API Testing — **Expert**
- JVM Profiling & Garbage Collection Analysis — **Expert**
- Agile Testing — **Expert**
- Grafana, Dynatrace, New Relic — **Expert**
- Scripting (Python, Shell) — **Expert**

LANGUAGES

- English, Mandarin

EXPERIENCE

2021 - Now

Performance Testing Engineer
BrightScale Technologies / Seattle, WA

- Design and maintain advanced performance test plans for SaaS-based web applications, simulating up to 100,000 concurrent users across environments to ensure stability and response time targets.
- Automate performance workflows using JMeter integrated with Jenkins pipelines, significantly reducing manual testing hours and increasing frequency of test execution.
- Collaborate closely with developers, database engineers, and cloud infrastructure teams to resolve bottlenecks uncovered during load tests, resulting in a 30% improvement in overall system throughput.
- Deliver detailed performance reports highlighting trends, root causes, and optimization strategies, which were used to prioritize technical debt items for upcoming sprints.

2019 - 2021

QA Engineer (Performance Focus)
BlueFin Software / Bellevue, WA

- Built reusable performance testing templates in LoadRunner, standardizing test structures across multiple teams and reducing onboarding time for new QA staff.
- Identified and isolated server resource constraints during seasonal traffic spikes by combining test output with server monitoring data, preventing several production outages.
- Developed scripts to emulate real-world user behavior with complex workflows, improving realism and making test results more actionable for developers.
- Participated in cross-functional team retrospectives and sprint planning, advocating for earlier integration of performance testing into the software development lifecycle.

ADDITIONAL INFORMATION

Volunteered as a coding mentor for Girls Who Code (Seattle Chapter)