

Charlena Rastegar

Software Performance Engineer

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☎ (640) 958-4943

📍 Detroit, MI

Education

**Bachelor of Science in
Software Engineering at
Michigan State University,
East Lansing, MI**

Aug 2017 - May 2021

Relevant Coursework:

Object-Oriented Programming,
Algorithms and Data Structures,
Operating Systems, Software
Engineering Principles, Database
Design and Administration.

Links

[linkedin.com/in/charlenarastegar](https://www.linkedin.com/in/charlenarastegar)

Skills

Performance Testing

Performance Analysis

System Monitoring

Automation Scripting

Troubleshooting

Capacity Planning

Database Tuning

Languages

English

Urdu

Hobbies

Programming

Profile

A highly experienced Software Performance Engineer with over two years of experience in performance engineering, software testing and development, and automation. Possessing strong technical and problem-solving skills, proven ability to design and develop high performance software and excellent knowledge in scripting languages. Adept at utilizing performance analysis tools to identify and troubleshoot system performance-related issues. Skilled at translating technical details into business terms to communicate effectively with stakeholders and clients. Experienced in developing and maintaining test plans, test cases, and test scripts. Proven track record of providing cost-effective and reliable solutions to improve system performance.

Employment History

Senior Software Performance Engineer at Symphony Solutions, MI

Jan 2023 - Present

- Improved Symphony Solution's customer service performance by 30% through the implementation of an automated system for customer requests.
- Developed a software performance monitoring system that identified and resolved system issues within 24 hours, resulting in a 25% decrease in customer dissatisfaction.
- Reduced server downtime by 50% through the implementation of a proactive monitoring system with real-time alerting.
- Automated the deployment process of new software releases, resulting in a 40% reduction in time to deployment.

Software Performance Engineer at Quicken Loans, MI

Aug 2021 - Dec 2022

- Improved system performance by 25% through optimization and tuning of the Quicken Loans web application. This was accomplished by analyzing the application stack and database queries to identify bottlenecks and then using various techniques such as caching, query optimization and code refactoring.
- Developed a framework for automated performance testing that enabled the engineering team to quickly detect any performance issues before release. This framework included setting up a continuous integration system with Jenkins, creating and running tests with JMeter, and automating the analysis of test results and reporting of performance metrics.
- Established a system for monitoring the performance of the Quicken Loans production environment. This included setting up Grafana dashboards to monitor application performance, configuring alerts and notifications, and ensuring timely resolution of any performance-related issues.
- Reduced the page load time of the Quicken Loans website by 20% through the implementation of web optimization techniques such as minification, compression, and image optimization.

Certificates

Certified Performance Engineering Professional (CPEP)

Oct 2021

Certified Software Performance Engineer (CSPE)