

# Software Development Engineer

## DESCRIPTION

We are looking for a passionate, results-oriented, innovative Software Engineer to drive the design and implementation of the large-scale, multi-tiered, distributed software applications, databases, tools, systems and services that power the Earth's largest e-Commerce selection. A successful candidate will have a strong software development background, exceptional design skills, excellent problem solving, and communication skills and the ability to lead and improve our development processes from day-1. The candidate must show success in designing and implementing scalable distributed systems, improving overall performance and general problem solving. The candidate must have the ability to provide elegant solutions to complex problems, balancing features and performance. Candidates must also have an operational focus, evaluating system performance, designing and evaluating system metrics and driving quality improvement.

Daily work will involve liaising with Amazon business owners, other retail senior developers and principals. You will be responsible for design and implementation for roadmap projects that support corporate data management and quality improvement initiatives, as well as taking on one business-centric project each year. The candidate will be expected to analyze and profile existing systems and processes to identify where improvements to user efficiency, robustness and stability can be made or where manual solutions can be replaced by software solutions. This will be achieved by designing, implementing, testing, and deploying enhancements to our current architecture. The candidate must provide outstanding problem-solving abilities and demonstrate a clear commitment to making Amazon a great place to work.

You will learn a lot about designing and developing massively distributed systems, big data systems, web services and cutting-edge web technologies while pushing the boundaries of scale and performance. Technologies involved include NoSQL databases, Java, JavaScript, and AWS. Come join us and solve some of the most challenging technical problems on the planet in growing and supporting the largest product selection catalog ever to be!

## BASIC QUALIFICATIONS

- Bachelor's Degree in Computer Science or related field
- 6+ years professional experience in software development
- Computer Science fundamentals in object-oriented design, data structures, algorithms
- Computer Science fundamentals in problem solving, and complexity analysis
- Proficiency in, at least, one modern programming language such as Java, or C#/C++

## PREFERRED QUALIFICATIONS

- Knowledge of professional software engineering practices & best practices for the full software development life cycle, including coding standards, code reviews, source control management, build processes, testing, and operations.
- Knowledge of Linux/Unix and scripting on Perl/Ruby.
- Knowledge of database systems and SQL.
- Ability to drive consensus on technical design within the team and across teams.
- Experience in system architecture and web application design.
- Experience in launching applications globally.
- Excellent problem-solving skills.
- Experience with agile program management methodologies.
- Ability to build solutions that scale and perform

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