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# Example of Engineer Principal Job Description

Our growing company is looking for an engineer principal. We appreciate you taking the time to review the list of qualifications and to apply for the position. If you don’t fill all of the qualifications, you may still be considered depending on your level of experience.

## Responsibilities for engineer principal

* Contributes to development of new principles and concepts, defining standards and best practices and working with the team to ensure they are followed
* Develop modern, large scale RESTful Micro Services and modern web based tools and applications for use by internal teams in a fast paced Retail environment
* Design and build distributed systems that integrate with a larger data and services ecosystem
* Work in a true Agile environment where all team members are expected to own the solution including deployment, testing, quality, monitoring and operational excellence
* Collaborates with cross-functional teams - business stakeholders, engineers, program management, project management to produce the most optimal solutions
* Mentors junior developers to grow them to similar levels of technical expertise
* Works in a DevOps model to own the end to end solution from development to delivery and support
* Implement build, deployment and test automation to ensure high quality and enable continuous delivery
* Uses standard and advanced technical and mathematical principles, theories, concepts, techniques, processes, and best practices to calculate and analyze chiller systems and components
* Establishes test criteria, administers laboratory testing, analyzes test data to evaluate chiller performance, and determines and implements optimal solutions

## Qualifications for engineer principal

* Publish and speak in the world-wide standard development body, industrial or research communities such as IETF, IRTF, SIGCOMM, MPLS Congress, IEEE
* Key player in the worldwide research ecosystem
* Sensitive to the global trend of advanced research and technology evolution
* Integrated photonics fab experience is a plus
* BS Degree in Physics, Mathematics, or Engineering
* Experience in fast-pace releasing and Agile/Scrum development practices