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# Example of Principal Technologist Job Description

Our company is looking for a principal technologist. To join our growing team, please review the list of responsibilities and qualifications.

## Responsibilities for principal technologist

* Create high-level designs for APIs and integrations within the eCommerce systems
* Work with other groups within Charter to identify opportunities for reuse across the enterprise
* Provide technical thought leadership, suggesting and justifying changes required both short-term and long-term
* Reviews documents including project charters, functional requirements, non-functional requirements and high-level designs to ensure detailed design work and implementation can use the information provided
* Compiles work breakdowns for new projects to assist development managers in providing cost and timeline estimates
* Conducts detailed analysis of log files and performance statistics of new or existing systems to identify previously unknown performance, functional or security issues and provides recommendations for remediation of issues
* Conducts design reviews, code reviews and deployment procedure reviews with development teams and operations personnel
* Provides troubleshooting and prioritization assistance for defect and performance issues of projects within development and in production
* Provides internal support to other personnel for issues on production systems
* Provides informal training and mentoring to other technical personnel on platforms, tools and practices

## Qualifications for principal technologist

* Experience hiring and building a technical evangelist team
* Undergraduate degree (BSEE or MSEE) and 10+ years of relevant experience
* Expert level knowledge of mobile computer architecture, product technology and system level integration
* Must be able to quickly and accurately assess trade-offs of competing requirements and present them in a concise and logical framework
* Must have strong interpersonal and executive level communication skills.to provide a leading role in strategic technical forums and meetings on a regular and consistent basis
* Demonstrated of relevant technical experience preferably in a leadership or a Subject Matter Expert capacity