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# Example of Principal Data Engineer Job Description

Our company is looking for a principal data engineer. Thank you in advance for taking a look at the list of responsibilities and qualifications. We look forward to reviewing your resume.

## Responsibilities for principal data engineer

* Work with team to troubleshoot code level problems quickly and efficient on as need basis
* Build technical road-map and technical debt elimination program
* Focus on scalability, security and availability of all applications and processes
* Participate in technical audit programs and provide guidance to all team members
* Motivate and educate team members on using coding standards and best practices
* Participate in code and document reviews
* The data platform must be highly available and scalable
* It should be able to look at both historic real time data to compute
* Provide hands-on subject matter expertise to building reliable and highly available systems
* End to end ownership of your service including design, deployment and management as a docker container

## Qualifications for principal data engineer

* Dynamic and/or funtional languages (Python, Ruby, Scala, Clojure)
* Experience working with cloud-based marketing and sales data a plus (Marketo, Salesforce, etc)
* Familiarity with other programming languages (Python, C, C++)
* Background which includes mathematics, statistics, machine learning and data mining
* Data security & governance expertise
* Bachelors or Masters in Computer Science or related field with at least 5 years experience in a highly technical data organization