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# Example of Software Engineer / Architect Job Description

Our company is growing rapidly and is searching for experienced candidates for the position of software engineer / architect. Thank you in advance for taking a look at the list of responsibilities and qualifications. We look forward to reviewing your resume.

## Responsibilities for software engineer / architect

* Assist with the implementation of multiple physical BI projects in support of applications, ensuring new/changed environment adheres to the BI Infrastructure architecture
* Oversee custom SDK applications developed by BI teams to ensure adherence to SHC BI best practices and integration with the BI infrastructure architecture
* Collaborate and support Requirements Engineering, Electrical Engineering and SW Functional Testing departments for alignment on requirements and design
* Analyze and optimize architectural concept / design, identify risk and manage resolution
* Setup general rules and guidelines for good design and development
* Lead team technically in problem solving through proper methodology and strategy
* The Process Architect is responsible for designing, programming, enhancing and implementing tools and processes to continually increase development productivity and improve product quality
* Systems and processes designed by this position are expected to make efficient use of both human and compute resources
* Lead the research & development for technology choice on public cloud services
* Be a critical part of our core team that is defining and launching new cloud solutions

## Qualifications for software engineer / architect

* BS/MS in Computer Science or related degree + 15 years development experience
* Proficiency in data modeling, data optimization for both relational and non-relational databases (Oracle, MySQL, SqlServer, Mongo, Cassandra, Couchbase and Hadoop)
* Must have led several previous large scale software design and development
* A solid technical understanding of the principles and procedures of software engineering
* Refactoring legacy software
* Design for test automation