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# Example of Principal Infrastructure Engineer Job Description

Our company is growing rapidly and is hiring for a principal infrastructure engineer. To join our growing team, please review the list of responsibilities and qualifications.

## Responsibilities for principal infrastructure engineer

* Work with multiple stakeholders from product, development, dev-ops & QA teams to identify performance requirements & orchestrate validation of these requirements
* Mentor & train junior resources in performance test engineering and lead them through completion of tasks for each sprint
* Design and implement infrastructure technology solutions
* Produce and maintain design specifications and other documentation as required
* Work with stakeholders validate business requirements
* Manage a infrastructure lab for the Enterprise
* Civil/transportation engineering experience in either or both local government or consultancy practice
* A first degree in a relevant discipline, Civil Engineering, or equivalent
* Current membership of a relevant professional institution such as ICE, CIHT or CILT and hold incorporated or chartered status (or likely to achieve this status in near future)
* Experience of planning and designing cycle projects (feasibility, planning, outline design, stakeholder management) is desirable

## Qualifications for principal infrastructure engineer

* Strong development skills in Go/C/C++ is a plus
* Experience developing software to autonomously manage infrastructure projects pertaining to Linux platforms
* Advanced knowledge of TCP/IP, HTTP, and HTTPS protocols
* 5+ years of experience with RHEL Linux/CentOS/UNIX is a plus
* A degree in a relevant subject and membership of a relevant professional institution
* Existing U.S. Security Clearance (Secret) required