



# Example of Staff Engineer / Senior Engineer Job Description

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Our company is growing rapidly and is searching for experienced candidates for the position of staff engineer / senior 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 staff engineer / senior engineer

- Correlate downhole motor performance to surface dyno testing and published motor data to identify motor dysfunction and potential issues with slim hole tools
- Monitor effects of bit design (cutter size, gauge length, blade design) on drilling dynamics
- Analyze correlations between motor torque, differential pressure, ROP and MSE
- Understand dynamics between low and high speed motor and rotor/stator configurations in regards to DOC, drilling torque, dysfunction and drilling performance
- Understand concepts of push pipe and downhole agitators to improve drilling dysfunction and mitigate drill string buckling
- Correlate formation characteristics to downhole vibration and optimize motor and bit design as a function of lithology
- Present results of studies to senior management and/or board of directors
- Mentor less experienced engineers in the use of reservoir simulation models other reservoir engineering topics, such as well performance analysis
- Work with management to ensure the technical development of less experienced staff
- Improve reservoir engineering workflows across the Permian asset

- Experience building solutions with AWS, Azure
- Experience setting and managing CI env Jenkins
- 8+ years of professional experience designing and developing complex distributed software using Java, Spring, REST
- Deep knowledge of Azure API, Services and ecosystem and how to create scalable services in that ecosystem
- Experience in other cloud environments is highly desired
- SDN/NFV (Openflow)