



Example of Test & Validation Engineer Job Description

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Our innovative and growing company is looking to fill the role of test & validation engineer. We appreciate you taking the time to review the list of qualifications and to apply for the position. If you don't fill all of the qualifications, you may still be considered depending on your level of experience.

Responsibilities for test & validation engineer

- With support from a senior test engineer, create project plans for test activity, write work instructions, manage and participate in building and modification of mining machines, outline instrumentation requirements for testing, conduct testing, analyze test results, communicate findings, and write technical summary reports
- Apply engineering skills to develop and validate any machine systems and subsystems including structural, mechanical, hydraulic, cooling, engine, powertrain, electrical, electronics, and software
- Use engineering systems to look up drawings, specifications, and solid models
- Work with other engineers, technologists, mechanics, instrumentation technicians, operators, and logisticians in a collaborative team environment to complete complex tasks safely, with the highest quality, while meeting project schedules and budgets
- Learn the fundamentals of mining equipment operations and maintenance
- Provide ideas for continuous improvement (CI) to the safety, quality, velocity, and cost of engineering and operations at the proving ground
- You will become proficient in tools used to calibrate transmission control systems and acquire data both on machines and in laboratory environments
- Assignments may also include performance and durability testing of powershift transmission components and systems in a laboratory

- You will be responsible for component inspections, data analysis, and documentation of results and recommendations
- Optimize engine and aftertreatment calibration within requirements, hardware limits, and emissions regulations

Qualifications for test & validation engineer

- Good logical problem solver
- University pre-final year student with major on Telecommunication, Computer Science
- Good knowledge of GSM/EGPRS/UMTS, Internet protocols principle, SMS, Voice Call, Data and GPS
- Good team spirit with open mind and easy going
- PCB design (Altium)
- Knowledge of software development (C/C++)