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# Example of Principal Application Engineer Job Description

Our growing company is looking for a principal application 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 application engineer

* Create design documentation to support maintenance of your applications
* Develop unit tests to test your code before delivering it to QA
* Fix bugs for your applications, and fine-tune the performance of your applications
* Provides equipment selections and refrigeration system designs
* Provides prices for all nonstandard products
* Provides technical support on current and legacy Frick/JCI products
* Generates equipment orders with accurate equipment description, cost and selling price
* Provides direction to drafting personnel, order services, purchasing and production on technical matters
* Writing code every day
* Keeping yourself and others around you up to speed on emerging technologies

## Qualifications for principal application engineer

* Willingness to travel during week to work on customer sites
* Ability to address issues beyond own speciality area for complex integrated solutions
* Likes working in an internationally oriented team
* Bachelor's degree -- or foreign equivalent -- in Computer Science, Engineering or related field, or 8 years of progressively-responsible experience in software development
* Hands on experience in AS400 programming and testing with a minimum of 8 years in AS400 programming
* Design experience in Verilog/VHDL for IP or SoC chip level