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# Example of Software Engineer, Level Job Description

Our innovative and growing company is hiring for a software engineer, level. To join our growing team, please review the list of responsibilities and qualifications.

## Responsibilities for software engineer, level

* The successful candidate's primary task will be developing algorithms and software code for a commercial, military and business aviation next generation flight planning system
* They may also define and review requirements, perform peer reviews, integration testing, software tools development, and the deployment of products
* Reviewing existing simulations and algorithms to understand the current simulation suite
* Working with subject matter experts (SME) to ensure algorithm development is technically sound and meets program requirements
* Reviewing KV and systems performance results, and making recommendations on simulation and/or analysis improvements
* Defining and conducting analyses, documenting results in presentations and reports, coordinating with group leads, management and customers
* Writing MATLAB code, perform analyses using high fidelity element level simulations, conducting trade studies, support task planning and status reports
* Responsibilities include assisting in isolation, resolution, formal testing and documentation of anomalies from fielded Seeker or Seeker Production software, prototyping new algorithms to counter emerging threats
* Perform requirements analysis and allocation
* Implement software per requirements and design guidelines

## Qualifications for software engineer, level

* Fourteen (14) years of experience as a SWE in programs and contracts of similar scope, type, and complexity is required
* Seven (7) years of experience as a SWE, in programs and contracts of similar scope, type, and complexity is required
* Software programming experience in Java or other OO language
* Experience writing test cases in JUnit or similar
* Strong analytical skills in problem solving
* Good knowledge of current and emerging technologies