Software Engineer Responsibilities

Include:

Executing full lifecycle software development

Writing well designed, testable, efficient code

Producing specifications and determine operational feasibility

Job brief

We are looking for a passionate Software Engineer to design, develop and install software solutions. The successful candidate will be able to build high-quality, innovative and fully performing software in compliance with coding standards and technical design. Software engineer responsibilities will include development, writing code, and documenting functionality.

Responsibilities

Execute full lifecycle software development

Write well designed, testable, efficient code

Produce specifications and determine operational feasibility

Integrate software components into a fully functional software system

Develop software verification plans and quality assurance procedures

Document and maintain software functionality

Tailor and deploy software tools, processes and metrics

Serve as a subject matter expert

Comply with project plans and industry standards

Requirements

Proven work experience in as a computer software engineer or software developer

Hands on experience in designing interactive applications

Ability to develop software in C, C++, C#, Java or other selected languages

Excellent knowledge of Relational Databases, SQL and ORM technologies (JPA2, Hibernate)

Experience in developing web applications using at least one popular web framework (JSF, Wicket, GWT, Spring MVC)

Experience with test-driven development

Mastery in software engineering tools

Ability to document requirements and specifications

Familiarity with software development methodology and release processes

BS degree in Computer Science or Engineering

• Integration of user-facing elements developed by front-end developers with server side logic

• Writing reusable, testable, and efficient code

• Design and implementation of low-latency, high-availability, and performant applications

• Implementation of security and data protection

• Integration of data storage solutions {{may include databases, key-value stores, blob stores, etc.}}

• User authentication and authorization between multiple systems, servers, and environments

• Integration of multiple data sources and databases into one system

• Understanding fundamental design principles behind a scalable application

• Understanding differences between multiple delivery platforms, such as mobile vs. desktop, and optimizing output to match the specific platform

• Creating database schemas that represent and support business processes

• Implementing automated testing platforms and unit tests

• Proficient understanding of code versioning tools, such as Git

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