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# Example of Principal Software Engineer / Developer Job Description

Our company is growing rapidly and is hiring for a principal software engineer / developer. To join our growing team, please review the list of responsibilities and qualifications.

## Responsibilities for principal software engineer / developer

* You will work with groundbreaking technologies, taking advantage of open-source initiatives and third-party services, to provide the best developer experience
* You are expected to be a self-starter, innovative and always looking for new ways to contribute to the team
* You will analyze and optimize frontend and backend code, and pursue simplicity, efficiency, reliability and performance
* You will use independent judgment to take existing code, understand its function and change/enhance as needed
* You will lead, mentor, and partner with team members and other groups
* Participates in architectural teams to design an optimum and advance solution
* Develops applications on complex projects, components, and subsystems for the division by leveraging modern and versatile technologies
* Recommends development testing tools and advanced methodologies and reviews and validates test plans
* Drives Infrastructure set up and responsible for QA readiness of software deliverables
* Leads the application live release into production and establishes full project life cycle plans for complex projects across multiple platforms

## Qualifications for principal software engineer / developer

* Demonstrated Expertise (“DE”) developing UNIX/Linux based real-time systems using object-oriented programming/design and technologies -- C++ and C
* At least 3 years' experience in developing REST and SOAP based Web Services
* At least 2 years' experience Spring Framework
* At least 1 years' experience Linux
* At least 1 years' experience developing applications using Agile principles
* 5+ years' experience with OOP concepts