



## Job Description

Title: Software Engineer (Full-stack Developer)

Type: Temporary Part-time to Full-time Hire

### Compensation:

Commensurate with experience and job location (starting at \$52/hr)

Approximately 20 hours/week; hours may vary

### Location:

The ideal candidate will be available to work three days a week at QIC offices in Orlando, FL (two days from home). Fully remote candidates will be considered.

### Purpose:

Quantum Improvements Consulting (QIC) is a dynamic and innovative services company dedicated to creating cutting-edge human performance support solutions that revolutionize the way people train for success. We believe in empowering our team to drive innovation and develop products that make a meaningful impact in the industry. We are seeking a talented and motivated Software Engineer to join our team. As a Software Engineer at QIC, you will work on exciting projects, collaborate with a talented team, and contribute to the development of innovative software solutions. *This position is the first of its kind at QIC and requires a driven self-starter. This position has the potential to grow into a manager or director role in which the candidate would manage a team of software developers & engineers.*

### Duties and Responsibilities:

- Design, develop, and maintain high-quality software applications and systems, with a focus on mobile app development for iOS and Android platforms using Xamarin
- Consult and provide guidance on new and ongoing software development projects
- Create and review software documentation as required by customers
- Implement architecture, design patterns, and best practices to ensure efficient and scalable solutions
- Conduct thorough debugging, quality assurance (QA), and code optimization to deliver top-notch software
- Utilize control systems and collaboration tools such as Git for version control and efficient teamwork
- Integrate APIs, third-party libraries, and web services into the software ecosystem
- Leverage open-source environments to enhance development efficiency and foster innovation
- Apply UI/UX design principles for intuitive and visually appealing software interfaces
- Familiarity with Drupal, an asset for our diverse project portfolio



- Interface with customers on a technical level appropriate for the audience

**Qualifications:**

- U.S. Citizen
- Bachelor's degree in Computer Science, Software Engineering, or a related field
- Proficiency in one or more programming languages (e.g., C#, Java, Python, C++, JavaScript) for mobile app development
- Proficiency with open-source platforms including Xamarin & .NET
- Experience with mobile app architecture, design patterns, and best practices
- Strong understanding of debugging, QA, and code optimization techniques
- Knowledge of control systems and collaboration tools like Git for effective team collaboration
- Familiarity with API integration, third-party libraries, and web services
- Understanding of UI/UX design principles
- Knowledge of Drupal
- Motivated, outgoing, friendly, team-player
- Exceptional communication skills

**Preferred Qualifications:**

- Master's degree in Computer Science or related field.
- Experience in backend development and DevOps.
- Proficiency in Infrastructure as Code (IaC) using tools like Terraform, Ansible, Chef, or Puppet.
- Strong experience with cloud platforms such as AWS, Azure, or Google Cloud Platform.
- Expertise in CI/CD pipeline setup and optimization using tools like Jenkins, GitLab CI, or CircleCI.
- Familiarity with containerization and orchestration technologies, e.g., Docker, Kubernetes.
- Knowledge of monitoring tools (e.g., Prometheus, Grafana, ELK stack) and log management systems.
- Understanding of caching mechanisms and performance optimization techniques.
- Familiarity with microservices architecture and serverless computing.

**Work Environment:**

The majority (90%) of this position is situated in a typical office environment and includes the use of a computer (6-8 hours per day), telephone, and web-based video communications. While not regularly anticipated, the remaining 10% of time may include activities at customer sites such as military installations and other commercial, industrial or office settings. Working in any field environment, you may be exposed to the elements (hot or cold temperatures, sun, wind, snow, rain,



etc.). Military installations may require work in wilderness settings and handling or being near live ammunition and weapons. Activities required will include traveling (flying or driving) for long periods, walking, standing, or sitting for long durations (6-8 hours), crouching, kneeling, and carrying equipment. You may be required to wear additional safety equipment, including but not limited to a helmet, eye and ear protection, safety vest, and steel-toed boots.

**Travel:**

The Software Engineer may travel up to 10% of working hours per month for the following purposes:

- Data collection support services
- Conference presentations and attendance
- Team and organizational meetings (if remote)

**Security Clearance:**

All employees must have or be capable of acquiring a Secret DoD security clearance. Guidelines indicating those items that may prevent you from obtaining a security clearance can be found here: <http://www.fas.org/sgp/isoo/guidelines.html>.

**Background Check and Drug Testing:**

Our clients may require background checks and drug testing.

**Equal Opportunity:**

QIC is an equal opportunity employer and values diversity in the workplace. We encourage all qualified individuals, including those with military backgrounds, to apply for this exciting opportunity.