



# Reverse Engineer Technical Specialist

We are currently seeking a Senior Reverse Engineer. The candidate should have a strong technical background with in-depth knowledge of software reverse engineering including the use of debuggers and disassemblers. The candidate must also be proficient in C. The focus of the reverse engineering is typically desktop software applications on the x86 platform. Familiarity with cryptographic algorithms and steganography is preferred.

## Location

Quantico, VA (Lead) and Chantilly, VA (Support)

## Responsibilities

This software engineer will be responsible for reverse engineering in support of our customer. The technical work consists of reverse engineering software, describing the functionality and implementation of the software in a technical report, and writing additional software in support of customer needs.

## Qualifications

### REQUIRED:

- BS degree, with ten (10) years of relevant experience. Equivalent experience may be considered in lieu of degree.
- Bachelor's Degree in Science, Math, Engineering or equivalent work experience
- In depth experience in x86/x86\_64 reverse engineering
- Experience with C programming
- In depth experience debugging software without source
- 6+ years in use of debuggers to perform assembly level debugging of software, in both the user and kernel space

### PREFERRED:

- Experience with cryptographic algorithms and cryptanalysis
- Expertise with IDA Pro and VMware (or other virtualization software)
- Familiar with multiple platforms (Win, Linux, Android, OSX etc.) / Experience with additional architectures such as ARM
- Knowledge of operating system internals
- Experience with kernel development/debugging
- Technical writing experience

- Experience bypassing technical security protections (packing/DRM/obfuscation)
- Familiar with stenographic techniques

## Clearance Requirement

**This position requires the candidate to already have a current TS/SCI with a Polygraph security clearance and to maintain the clearance.**

## About AlphaSix Corporation

AlphaSix Corporation is a Washington, DC-based small business that provides Federal, state, and local governments with a broad range of IT products, solutions, and services focused on the convergence of big data and cyber security. At AlphaSix, we pride ourselves in providing a highly energized work environment where our employees are rewarded with competitive compensation packages and excellent benefits. We understand that to attract the top talent in the industry and provide the highest level of satisfaction to our customers, we need to provide an environment that supports our employees in their efforts to fulfill the needs of their clients and allows them to reach their fullest potential. AlphaSix offers a variety of benefits including competitive compensation, health insurance, disability coverage, 401(k) with matching program, paid holidays, and PTO.