The Security Researcher will be a key member of our Security research team. This team conducts both internal and client driven security research against mobile/embedded platforms and supporting infrastructure. The successful candidate must be an enthusiastic and passionate security professional, have expertise in a variety of fields, be a capable mentor for other security researchers, and be able to professionally represent Oceans' Edge in customer facing meetings and public venues.

**Job Responsibilities:**
- Interact with customers to identify their specific requirements and provide expert advice and direction on optimal and efficient means of achieving their objectives.
- Act as key team participant in internal security research endeavors.
- Engage in extensive reverse engineering of mobile and wireless technology.
- Perform vulnerability analysis of mobile/embedded platforms, applications, protocols, and supporting infrastructure.
- Thoroughly document, in a manner suitable for widespread publication, all aspects of research including everything from initial discovery to methods and procedures used to findings and future research steps.
- Maintain continuous awareness of threats, vulnerabilities, and techniques in mobile security and associated fields.
- Provide insight into mid and near future mobile security trends, give expert strategic direction, and contribute both original ideas and technical content to patent filings.
- Limited travel as required.

**Required Knowledge / Skills / Abilities:**
- Must hold or be eligible for security clearance.
- 3+ years as a security professional.
- 1+ years reverse engineering in a security context.
- Familiarity with assembly for one or more architectures (x86/x64, ARM, MIPS).
- Experience auditing C/C++ source for vulnerabilities
- Experience with a scripting language such as Python, Ruby or Perl
- Experience auditing assembly for vulnerabilities
- In-depth knowledge of basic exploitation techniques
- Familiarity with exploitation mitigation technologies
- Experience debugging applications (WinDbg, OllyDbg, gdb)
- Experience with IDA Pro
- Strong verbal and written communication skills
Desired Skills / Experience / Qualifications:
- Experience leading security research teams
- Experience as a primary technical contributor in large-scale projects
- Familiarity with at least one mobile or embedded platform programming environment
- Experience writing C/C++
- In-depth knowledge of internals of one or more operating systems (Windows, Linux)
- Experience with kernel-level programming and/or debugging
- IDA Pro scripting (IDC or IDAPython)
- Experience reverse engineering complex applications
- Experience with fuzzers and fuzzing techniques
- Experience writing clear, concise documentation
- Math or cryptography background
- Telecommunications experience

Education and Experience:
- One of:
  - Undergraduate degree in Information Security, Computer Science, or other engineering field and 3 years work experience.
  - Graduate degree in Information Security, Computer Science, or other engineering field and 2 years work experience.
  - 3+ years of experience as security professional or equivalent combination of education and work experience