Senior Software Engineer

POSITION SUMMARY: Second Sight Medical Products (www.secondsight.com) is seeking a senior full stack software developer with design and development experience using the latest web tools and technologies

POSITIONS SUPERVISED: May supervise activities of junior software developers.

ESSENTIAL DUTIES AND RESPONSIBILITIES:
- Responsible for building back-end and front-end web applications.
- Works directly with internal stakeholders to gather and evaluate operational, interface and performance requirements of device and application software.
- Collaborates closely with colleagues to brain storm and provide constructive criticism in a positive, engaged environment.
- Adheres to high quality coding and testing practices: coding conventions, static code analysis, unit/integration testing, code refactoring and code reviews.
- Participates in the full software development lifecycle including specification, design, architecture, implementation, testing (unit, integration and system), configuration management, and deployment.
- Participates in the selection, setup and use of development tools.
- Responsible for formal documentation of development activities

EDUCATION/CERTIFICATION: Bachelor's degree (B. S.) in computer science, computer engineering, mathematics, or equivalent experience.

EXPERIENCE REQUIRED:
- 5+ years of experience developing web applications with CSS3, HTML5, and JavaScript
- Experience building web-based applications using Angular 4+ and TypeScript
- Experience building applications using server-side NodeJS and related frameworks
- Experience connecting front-end and back-end systems through RESTful/WebSocket APIs
- Experience with unit testing, test-driven development, and continuous integration.
- Linux/Unix CLI experience

REQUIRED KNOWLEDGE:
- Proficiency with writing applications using JavaScript
- Strong working knowledge of Angular 4+, HTML5, REST/WebSockets and inter-process communication
- Knowledge of current best practices of web application development
- Proficient understanding of code versioning tools, such as Git
- Ability to work well with other teams and departments within the organization
- Strong written and verbal communication skills

PREFERRED KNOWLEDGE:
- Experience developing software in regulated industries such as medical devices
- Experience working in an agile development cycle
- MySQL, SQLite, or other database management systems
- Jenkins Integration
- Karma and Jasmine testing experience
- Experience with cloud-based systems (Azure, AWS, Google Cloud)