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## Computer Networks Engineer Intern – Spring 2022 – Job Req R1925

Quadrus Medical Technologies, Inc. is a health tech startup. We aim to revolutionize critical care medicine with technologies rooted in advanced engineering. We specialize in artificial intelligence and physiology-based solutions for cardiovascular, respiratory, and renal systems. We strive to bring personalized diagnostic and therapeutic information to the care team when and where it is needed most.

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What you will be responsible for:

- Deploy and test environments to host and secure medical software and services
- Implement authorization and authentication modules of web/mobile applications
- Design, implement, and test a network of connected devices for product software
- Setup and maintain VPN, router, and firewall configurations
- Contribute to server-side services of web applications (databases, calcs, security)
- Develop APIs and interface with medical systems and devices
- Configure and maintain servers and virtual environments: Linux, VMware, etc.
- Contribute to technical documentation for product software
- Participate in research and development through presentations, publications and meetings

What we expect you to bring to the table:

- Experience with authorization and authentication protocols (SAML, OAuth2, OpenID)
- Experience in web server configuration (Apache, NGINX, Tomcat)
- Experience in cloud architecture, networking, and security (AWS, IOT, etc.)
- Experience in virtualization and containerization (Docker, Kubernetes, etc.)
- Proficiency in network protocols OSI, TCP/IP (HTTPS, SFTP, SSH, UDP, etc.)
- Experience in object-oriented programming (C/C++, C#, Python)

What we consider to be a plus:

- Experience in third party interfaces (REST, SOAP APIs)
- Experience in DB server configuration (MariaDB, PostgreSQL, MongoDB, etc.)
- Proficiency in web programming (JS, HTML, CSS, Node.js, PHP, etc.)
- Experience in version control and testing (unit, integration, system, regression, etc.)
- Familiarity with embedded systems, shell scripting, UNIX-based systems, ARM Linux
- Familiarity with serial communication (I2C, RS232/UART, SPI, etc.)
- Familiarity with frameworks (Vue, React, Angular, Laravel, Zend)

Preferred background: MS in Computer Science, Systems Engineering, Computer Engineering, Electrical Engineering, or similar field.

Position Duration: 3-4 months. Potential to hire.

Note: This position is on-site at our office location. Please only apply if you would be able to fulfill this requirement.

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Quadrus Medical Technologies, Inc. is an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law. If you have a disability and require a reasonable accommodation to assist you in completing your application, please contact QMT at [info@quadrusmedical.com](mailto:info@quadrusmedical.com) and (929)343-5400. Please mention job requisition R1925 when applying.

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