People Powering Victories

Imagine a world without fear of cancer. We do, every day. We innovate new technologies for treating cancer and for connecting clinical teams to advance patient outcomes. Through ingenuity we inspire new victories and empower people in the fight against cancer. We are Varian.

Varian is the world’s leading manufacturer of medical devices and software for treating and managing cancer. Through our partnerships with physicians, scientists, researchers, and others around the world, we offer the most advanced and cost-effective treatment technologies available.

When you join Varian, you become part of a global network of over 6,500 innovative and inspired minds working together as One Varian to save lives and provide hope.

Headquartered in Palo Alto, California, our unique values and cultural beliefs create a fulfilling work environment you won't find elsewhere. We are united by our goals to inspire people and beat cancer. We hold each other accountable and engage at work, to do well by doing the right thing.

Learn more about the impact you can make when you join us: varian.com/careers.

Together, we are greater than cancer.

Varian Medical Systems Winnipeg is hiring a Software Developer – DevSecOps

Job Description

The SW Developer - DevSecOps will be a member of the DevOps team with a focus to ensure that Varian product and service solutions and associated data are protected from cyber-security threats throughout the entire life-cycle. You will also deliver expert architecture design and other technical consultations for cloud-based applications across product lines that leverage or work with existing or planned corporate architecture.

You maintain expert familiarity with security standards and operational best practices, as well as trends in technological advancement (e.g. containerization, microservices, cloud computing, SaaS, predictive data analytics) and drive the design and configuration of security features and controls to support the satisfaction of security requirements and the integration with the existing platforms. You collaborate with regulatory teams, product development and engineering teams, Services and Support teams, vendors and partners to ensure end-to-end security implementations and governing principles.

Examples of daily activities include but are not limited to the following:

- Integrate global and regional cyber-security compliance requirements from cross-functional stakeholders, regulatory bodies, and industry forums into Varian product and solution designs.
- Implement Security Governance metrics as defined over the entire product life-cycle (i.e. specification, design, development, commercialization and post-deployment support) to mitigate cyber-security risks.
- Direct and guide the Operations team (e.g. DevOps, CloudOps, ServiceOps) to create and manage secure infrastructure and workflow.
- Monitor device and product cyber-security threat landscape trends and techniques; regulatory directions, and identify opportunities for cyber-security innovations and value-delivery; contribute to Varian product and portfolio roadmap development and competitive advantage.
- Support other Security & Privacy initiatives within Varian Medical Systems.

Responsibilities:

Responsibilities include, but are not limited to:

- Integration of cyber-security considerations into solution (e.g. products, platforms, services, and support) design, implementation, review, update, and EOL management; including but not limited to Secure Coding Guidelines, OWASP, SCA and DCA processes, SW component evaluation process, Secure Service and Support Model, Post-Market Cyber-Security Management Programs; evaluate and recommend the tools and technologies used; act as process owner when appropriate.
- Monitor product cyber-security threats and vulnerabilities, perform planned and ad-hoc Risk Assessment (e.g. Threat and Risk Analysis) of software, system, and architectures to communicate our current threat landscape, and design and prioritize mitigation solutions.
- Plan and coordinate comprehensive security assessments (e.g. Product Penetration Testing), analyze and report results, design, and direct remediation; support interactions with Customers or other external bodies as necessary.
- Support and govern the set-up, usage, update, and management of an approved repository for SW libraries, including open source SW components; govern the usage thereof, and trigger remediation as necessary (e.g. vulnerability disclosure and dependency analysis); consult and guide the use of open source components in alignment with licensing terms.
- Direct and improve the security of workflow and tools used in providing services (e.g. installation, trouble-shooting, remote access) and product support (e.g. MICAP standardization and updates); define the standard security settings (as default) in products and solutions.
- Coach stakeholders from project managers, developers, SW architects, system engineering, to service and support engineers on methods and frameworks for building, servicing, and supporting secure products and solutions.
- Continuously maintain expertise and Information as well as Product Security by participating in Industry forums, conferences, and training events.
- Provide hands-on technical support expertise in general SW development, system engineering, IT and networking as necessary.
- Maintain complete confidentiality of company and customer intelligence acquired at job.
Job Requirements

• Required Basic Qualifications:
  • Strong sense of ownership, urgency, and drive.
  • Ability to influence others.
  • Excellent written and oral communication skills; sharp analytical abilities.
  • Knowledge and understanding across a wide breadth of technology domains, with the ability to quickly assimilate the inter-relationships various disciplines.
  • Bachelor’s degree in Computer Science or Computer Engineering, Business Information Technology diploma in Application/Web Development, or equivalent.
  • 4+ years’ experience in hands-on development in an object-oriented language
  • 4+ years’ experience in cyber-security control design and implementation
  • 4+ years’ experience in cloud architecture and design
  • Minimum of 2 years’ in one or more of the following: multi-vendor application firewalls, IDS/IPS, wireless, SSL & IPSEC VPN, SSO, Multi-factor authentication, database technologies, encryption technologies, endpoint and cloud security.
  • Demonstrated expertise in enterprise security architecture, including: securing service oriented architecture (SOA); network security; application security; cloud computing (SaaS/PaaS/IaaS) in AWS or Azure; network infrastructure and web services, IAM, cryptography
  • Demonstrated expertise in following specific technologies:
    • Linux or other *NIX systems
    • Docker and Kubernetes based deployments
    • Python, JavaScript, and Bash development and scripting languages
    • CI/CD tools and pipelines
    • Automated security testing tools and frameworks
    • Strong communication skills in English
    • Project management skills
    • Willingness to travel, up to 25% (domestic/international)

• Preferred Basic Qualifications:
  • Security related certifications such as CISSP-ISSAP, OSCP, GIAC, GCIH, GCFA, GCIA, GPN, GNFA, GCUX, CEH.
  • Expert level understanding in one core area of Information Security.
  • Experience in enterprise-wide deployment of security technologies

We are looking to hire problem solvers. Whether you have the skills listed above or will learn them as part of our team, your biggest asset is your curiosity and tenacity in tackling and conquering challenging problems to deliver life changing solutions. We are looking to hire developers with all levels of experience from new grads to seasoned veterans.

Become part of our team

At Varian, our culture is centered on fostering the creative potential of every employee through teamwork and collaboration. Our technologies touch millions of lives every day, and this inspires us to do our best work – every day. By using your talent, ambition and creativity, you can build a career that allows you to make a real difference in people’s lives. You’re just one click away from the most impactful work you’ll ever do. Apply now and join our mission to help save lives. Someone, somewhere, will be glad you did.

Apply online: www.Varian.com/careers