

Job Title: Software Engineer – Summer Intern

Job Location: Warrenton, VA

Job Type: Internship

Job Description:

BCubed Engineering is seeking a Full-Stack Developer Intern who is passionate about building robust, scalable software and exceptional user experiences. As a Full-Stack Developer at BCubed, you will be an integral part of our collaborative development team, contributing to the design, development, and maintenance of containerized software applications. You will work on a variety of projects, collaborate with cross-functional teams, and have the opportunity to influence our technology stack.

Key Responsibilities:

- Participate in the entire software development lifecycle, from concept and design to testing and deployment.
- Design, develop, and maintain Kubernetes-based microservices using Python, Go, JavaScript, React, and other programming languages.
- Contribute to the development and maintenance of a React JavaScript frontend.
- Utilize open source technologies for continuous deployment, event-driven automation, and efficient infrastructure management.
- Build and manage CI/CD pipelines.
- Write clean, well-documented code, and maintain code quality through code reviews and best practices.
- Optimize software for maximum performance, scalability, and user experience.
- Troubleshoot and resolve issues related to Kubernetes clusters and containerized applications.
- Develop and maintain Kubernetes Operators and Custom Resource Definitions (CRDs).
- Ensure security and compliance standards are met by the software.
- Stay up to date with industry best practices and emerging trends in software development.

Qualifications:

- Individuals pursuing a Bachelor's degree in Computer Science, Information Technology, or related field (or equivalent experience).
- Experience with Kubernetes and containerization technologies.
- Proficiency in Python, Go, or Javascript programming languages.
- Familiarity with modern software development technologies and practices, including CI/CD pipeline and microservices architecture.
- Ability to hold a U.S. Security Clearance (US Citizenship Required)

About the Company:

BCubed Engineering Corporation is an employee-owned advanced software and engineering company with offices in Warrenton, VA and Tampa, FL. BCubed Engineering specializes in providing engineering solutions and hardware to meet a variety of unique mission needs to the DoD, IC, and commercial sector, through efficient implementation practices and leveraging cutting-edge COTS technologies. Areas of focus include Digital Signals Processing, Machine Learning, and Cloud/On-Premises computing architectures.

We Provide:

- Innovative and exciting work environment
- Mentorship with senior engineers for advanced career growth



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