

DevOps Software Engineer

DevOps Software Engineer with a Focus on AI Integration

Job Summary:

Camtek is searching for a talented and proactive DevOps Software Engineer to join our Application Development team. In this role, you'll **support and enhance our current implementation** while being at the forefront of **integrating and implementing AI tools and methodologies** to support and improve our development teams and processes. You'll work in a Windows-based environment, leveraging our existing stack: Azure DevOps Services (Pipelines, Repos, Artifacts, and Boards), Azure Functions, and Azure Web Apps. We're looking for someone with hands-on experience in C#, C++, MSBuild, and solution (.sln) troubleshooting, who can work across both our existing cloud and on-prem infrastructure. This position is at the forefront of applying innovative AI-powered solutions for log parsing and beyond, all to empower our developers while maintaining and improving our current systems.

Key Responsibilities:

- **Support, maintain, and enhance our current CI/CD pipelines** using Azure DevOps Services, with an emphasis on leveraging AI to optimize and automate steps.
- **Maintain and troubleshoot existing builds** for C# and C++ projects using MSBuild, including managing .sln issues, dependencies, and build optimizations.
- **Implement and integrate AI-driven tools** to enhance our existing DevOps processes, including log parsing and incident correlation.
- Develop and maintain automation scripts using PowerShell, Python, or Batch, with a focus on creating **intelligent, adaptive automation** that complements our current systems.
- Deploy, configure, and monitor applications using Azure Functions and Azure Web Apps.
- Collaborate with development and QA teams to streamline software delivery, using Azure Boards for sprint and task tracking.
- **Manage our existing infrastructure environments** on both Microsoft Azure and on-premises VMware platforms, including Broadcom vSphere.
- Monitor system performance and troubleshoot deployment or infrastructure issues, using **AI-powered observability tools** to identify root causes faster.
- Use Git and Git LFS within Azure Repos to manage codebases and large binary files.
- Communicate with external suppliers regarding DevOps-related tools, services, and infrastructure components.
- Maintain detailed documentation for DevOps procedures, tooling, and build configurations.

Requirements

- B.Sc. in Computer Science, Engineering, or a related field.
- 3+ years of experience in a DevOps, build engineering, or systems integration role.
- Strong hands-on experience with Windows OS, and scripting in PowerShell.
- knowledge of C#, C++, and Python project structure, compilation, and debugging within the Visual Studio/.NET environment.
- Proven experience with AI-driven tools for DevOps automation, observability, or other related applications.
- Proficiency in MSBuild, including managing custom build steps and resolving build errors.
- Hands-on experience with Azure DevOps Services, especially Pipelines, Repos, Boards, and Artifacts.
- Proficiency in Git and Git LFS for source control.
- Experience deploying and maintaining solutions on Azure Functions and Azure Web Apps.
- Strong English communication skills (written and spoken), essential for documentation, collaboration, and supplier interaction.

Preferred Skills:

- Experience working in a multidisciplinary company.
- Experience managing hybrid infrastructure (cloud + on-prem VM environments).
- Familiarity with Windows-based log monitoring and performance tools.
- Exposure to cloud-hosted Windows environments using Microsoft Azure.
- Excellent problem-solving skills, attention to detail, and a proactive mindset.
- Strong interpersonal skills and the ability to thrive in a cross-functional, fast-paced environment.

What We Offer:

- A key role in a forward-thinking DevOps team that is actively **integrating AI to build the future of software development** while ensuring the stability and performance of our current systems.
- The opportunity to work with cutting-edge technologies in a multidisciplinary environment.
- Professional development opportunities and a platform for creativity and innovation.
- Competitive salary and a comprehensive benefits package.

This role is for someone who is not just an expert in traditional DevOps but is also passionate about **pioneering the use of AI to create more intelligent, efficient, and proactive development processes**. Are you ready to lead the charge while supporting and enhancing our current foundation?