Vimal Shekar

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https://vimalshekar.github.io

Objective: Looking for interesting development, testing, reverse engineering and research opportunities that focuses on applying technology to solve complex problems and challenges and make human life simpler. Looking forward to using my existing skills and acquiring new ones to meet the demands of the business and complement the team.

Skill Summary:

❖ Languages: Strong at **C, C++, C#, PowerShell** and **Python**. Working knowledge of Bash and Batch scripting

❖ Databases: Familiar with SQL Server, Azure SQL and MySQL

❖ Version Control: GIT and SVN

❖ IDE: Visual Studio, VS Code, Eclipse, Spyder, Source Insight

❖ Operating Systems: Major versions of Windows and Linux distributions such as Ubuntu, CentOS & Kali.

❖ Frameworks: STL, COM/WMI/RPC, Win32, .NET framework, WDM and WDK, Web services on Azure.

❖ Good collaboration, communication and presentation skills. An attitude to learn and adapt to changing environments, technologies, tools and frameworks.

Experience:

❖ 4+ years of experience in design, development and debugging of Windows User & Kernel components.

❖ 1 year in Linux user mode development

❖ 6 months of recent experience in machine learning using Python.

Academics and Certification:

❖ MSc(Tech) in Embedded System Design

❖ MSc(Tech) in Information technology

❖ Bachelor of Engineering in Electronics and Communication

❖ CEH v9 certified Ethical Hacker

❖ Machine Learning certification from Stanford University(Coursera) and Datacamp

Work Summary:

Software Engineer ◦ Deception Technology ◦ Attivo Networks

Duration: Mar 2016 to Jan 2018. (1 year and 10 months)

❖ Developed the award winning Active Directory Deception feature which was a deal maker and a game changing feature that sets Attivo apart from competition.

❖ Developed the custom deception VM import and customization feature to smoothen deployments.

❖ Contributed to endpoint deception engine and lateral movement path prediction feature which gathers data from endpoints and uses machine learning to detect possible lateral movement paths of an attacker.

Escalation Engineer ◦ Windows Serviceability ◦ Microsoft IGTSC

Duration: Oct 2013 to Feb 2016 (2 years and 4 months).

❖ Contributed to overall production quality improvement by identifying 400+ bugs. This involved analysing live systems, memory dumps, performance and ETW tracing, performing code reviews, developing proof-of-concept code to identify/demonstrate/instrument bugs and their fixes.

❖ Resolved 1200+ escalated customer cases of varying complexity.

❖ Delivered Windows internals and debugging trainings to worldwide audiences, inside and outside Microsoft.

Beta Engineer ◦ Windows Core ◦ Microsoft IGTSC

Duration: Oct 2011 to Sep 2013 (~2 years).

❖ As the youngest member of the Beta testing team, have contributed to overall product improvement by reporting 1800+ defects of varying severity.

❖ Was involved in developing and delivering technical trainings, blogs and documents about new features.

❖ Have contributing to several customer wins by assisting in seal the deal technical discussions and PoCs.

Enterprise Support Engineer ◦ Windows Core ◦ Microsoft IGTSC

Duration: Mar 2010 to Oct 2011 (1 ½ years).

❖ Built expertise in Windows internals, AD, Clustering, Hyper-V and deployment and was promoted for technical competence.

❖ Provided exceptional support to Microsoft's premier customers.