

# Brandon Smithers

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## Summary

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Software engineer with 4 years of industry experience developing applications for networked hardware control and customer user interfaces. Has architected and overseen multiple software projects from conception through implementation and into maintenance.

## Skills

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- Object-oriented application architecture
- .NET/WPF user interface development with C#, XAML and the MVVM design approach
- Client/server application development with C# and TCP/UDP sockets
- Experience with JSON and SCPI server APIs and clients implemented with C#
- .NET interoperability with unmanaged C/C++
- NSIS installation scripts
- Windows Store application development
- C/C++ application development and maintenance on Windows and Linux
- Continuous improvement, bug tracking, and revision control through Jenkins/Hudson, BugZilla, and Subversion
- Scripting and automation tools, such as Bash, Batch, and Python

## Experience

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### Software Engineer Team Lead

Jan 2015 to Present

X-COM Systems / Bird Technologies

- Lead software team decision making and engineering efforts
- Worked with test engineering to standardize automated SW/HW testing practices and improve product quality
- Managed the development and maintenance of multiple software projects during frequent requirements changes
- Developed hardware product emulation software in C for the Raspberry Pi to aid in software testing when equipment was limited or unavailable

### Software Engineer

May 2011 to Dec 2014

X-COM Systems / Bird Technologies

- Software architect for multiple WPF control applications for networked RF record/playback systems
- Designed and implemented user-interfaces in XAML, including custom styles and behaviors
- Designed NSIS installation and software/firmware update utilities
- Introduced the MVVM design approach to company software development
- Developed and maintained a common company software framework in C# and C++ for network command/control applications and remote automation APIs
- Wrote SCPI remote control libraries for Agilent/Keysight, Tektronix, and Rohde and Schwarz spectrum analyzers and VSGs
- Introduced a PLDA PCIe driver solution into our command/control software to provide reliable, high speed file transfers
- Worked closely with hardware, firmware/FPGA, RF, and test engineers
- Interfaced with customers, conducted training on software packages and handled technical support

## Education

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**Bachelor of Science, Electronics Engineering Technology**  
University of Central Missouri | Warrensburg, MO

**2011**  
3.9 GPA

## References

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**Romel Haq**

Former Engineering Manager | X-COM Systems

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