

MICHAEL J. FORDE III

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Experience

- **LGS Innovations LLC: 01/14 - Present**—Florham Park, NJ
Cyber Security Software Engineer
 - Designed and implemented network testing tools in POSIX environment.
 - Configured and analyzed various network elements in core and provider edge configurations.
 - Configured and analyzed carrier and enterprise SDN and NFV solutions.
 - Reverse engineered applications, protocols, file formats, and device firmware.
 - Designed and implemented command-line scriptable configuration utilities for network elements.
 - Analyzed networking issues in 3G/4G networks and provider edge networks.
 - Assessed security and risk profiles of network elements, protocols, and topologies in 4G and provider edge networks.
 - Experience with ALU/Nokia, Cisco, and Juniper IP routers and Nokia Optical Transport Networking gear.
 - Served as technical lead for projects coordinating efforts of team of engineers.
- **Dialogic Inc: 09/12 - 01/14**—Parsippany, NJ
Software Engineer
 - Implemented solutions to correct software defects in SIP and RTP processing.
 - Modified existing code to facilitate support of WebRTC in product line.
 - Supported legacy code base, evaluated methods to port legacy functionality to new product line.
- **Exelis, Inc. (formerly ITT) - Communication Systems: 06/07 - 09/12**—Clifton, NJ
Senior Engineer
 - Developed Windows-based configuration utilities using C# and .NET framework.
 - Developed IP network communications software in C/C++.
 - Authored kernel and system level software in embedded GNU/Linux environment.
 - Ported specialized routing applications from PPC Linux to Integrity on ARM platform.
 - Developed embedded C++ software for various Real Time Operating Systems.
 - Served as technical lead for application sub-project.
- **Stevens Institute of Technology: 05/04 - 05/07**—Hoboken, NJ
Associate System Administrator
 - Formed and maintained rapport with hardware and software vendors.
 - Assessed solutions for updating/replacing current High Performance Computing Facility based on criteria including performance/cost and performance per watt.
 - Assessed solutions for various rack-mount servers, racks, power accessories and high volume printing solutions based on various criteria, including TCO.
 - Authored and maintained internal and external documentation.
 - Hired, trained, and managed laboratory assistants and laboratory hours.

Education

- **Stevens Institute of Technology: 2005 - 2007**—Hoboken, NJ
Master of Science, Computer Science.
 - Concentration in Quantitative Software Engineering.
 - Qualified for TIE, Computer Science Honor Society.
- **Stevens Institute of Technology: 2001 - 2005**—Hoboken, NJ
Bachelor of Science, Computer Science.
 - Minor in Philosophy
 - Graduated with Honors

Skills

- **Operating systems experience:** Microsoft Windows, Unix (FreeBSD, NetBSD, Mac OS X, Irix, Solaris), GNU/Linux (RedHat, Slackware, Montavista, Mint, Parrot/Kali), Integrity, VxWorks, μ COS.
- **Computer Languages, Tools, and Protocols:**
 - Programming languages: C, C++, MIPS assembly, Pascal, PHP, SQL
 - Markup languages: \LaTeX , HTML
 - Tools and Protocols: Lex, YACC, Binary Ninja, Radare2, Ghidra, OSPF, IGMP, MPLS, TCP/UDP, IPv4, IPv6, MLD