Jonathan Powers

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CLEARANCES

Active clearance, granted March 2019. Contact me for more details.

KNOWLEDGE, SKILLS, AND ABILITIES

- Assembly languages: x86-64, MIPS, ARM, 68000, 6502
- Programming languages: C/C++, Python, PHP, Java, JavaScript, SQL
- Windows API, Linux
- NASM, FASM, and GAS assemblers
- gcc, Visual Studio, Android Studio
- Windbg/gdb
- IDA Pro
- Atlassian Tools: Jira, Confluence, Bitbucket
- Git, Mercurial, CVS, ClearCase
- Inkscape, Adobe Illustrator

EDUCATION

Appalachian State University School of Music (Fall/1987 to Fall/1989)
Major: Music Theory/Composition
Degree not completed

EMPLOYMENT EXPERIENCE

ManTech (5/2019 to present)

Senior Principle CNO Developer

Served as project architect and senior developer creating network security products in C and ARM Assembly for Linux embedded systems and system-on-a-chip devices. Some firmware reverse engineering experience.

Served as interim Tech Lead for nine months overseeing a team of two developers and two interns.

Led a two-person indirect research project for three months to develop a whitepaper to attract new business.

Worked on a team developing Windows applications in C, x86 Assembly, and Python.

Parsons (7/2018 to 5/2019)

Principle Software Developer

Developed network security products in C and Python for Linux embedded systems. Some hardware reverse engineering experience.

ManTech (7/2017 to 6/2018)

Senior Principle CNO Developer

Developed network security products in C, MIPS Assembly, and Python for Linux embedded systems.

Deque Systems (10/2014 to 7/2017)

Senior Software Engineer

Developed and maintained an online learning platform using the LAMP stack.

Created SCORM-based courses for major U.S. companies.

Responsible for managing one other programmer.

AT&T Government Solutions (formerly GRCI) (12/1996 to 10/2014)

Specialist Systems Analyst

Designed, developed, and maintained a distributed system control and monitoring application that interfaced with a web-based GUI and coordinated job flow between multiple microcomputers, Oracle database stored procedures, and a mainframe. The application included a Windows system service, a DLL to link with remote modules, and a custom secure FTP client and JCL interface, all written in C.

Served as systems programming Tech Lead.

Developed C code for high-speed conversion of IBM mainframe legacy data to modern microcomputer data formats.

Developed custom PDF reporting software in C.

Worked as a developer on the U.S. Army's Integrated Resource Management Information System (IRMIS) software that manages the Army's budget. Was instrumental in redesigning the project's web portal including the development of a semi-automated system to create website graphic elements from stock Army photos.

Developed a custom Windows desktop application for use in software deployment.

Implemented an automated build system.

U.S. Nuclear Regulatory Commission (01/1991 to 12/1996)

Admin / Computer Specialist

Solely responsible for preparing and proofreading all reports for the annual Senior Management Meeting.

Developed a LAN-based, multi-user DOS application in C to track the progress of documents through the change process.

Developed a Windows library in C to allow dBase programs to print graphical reports.

Assisted with computer forensics for an NRC-run investigation.

ADDITIONAL TECHNICAL TRAINING

Software Reverse Engineering and Security Analysis course – the Barr Group
Date: 11/2018

ORGANIZATIONS

Mensa