

Jonathan Powers

202-258-1841

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EDUCATION

Appalachian State University (Fall/1987 to Fall/1989) – Major: Music Theory/Composition – degree not completed

EMPLOYMENT EXPERIENCE

ManTech (5/2019 to Present)

Senior Principle CNO Developer

Develop network security products. Primary tools used are C, Python, various Assembly languages, Git, and JIRA.

Parsons (7/2018 to 5/2019)

Principle Software Developer

Developed network security products. Primary tools used were C, Python, Git, and JIRA.

ManTech (7/2017 to 6/2018)

Senior Principle CNO Developer

Developed network security products. Primary tools used were MIPS Assembly Language, Python, C, Mercurial, and JIRA.

Deque Systems (10/2014 to 7/2017)

Senior Software Engineer

In charge of Deque University, a learning website based on the LAMP stack and the MODX framework/CMS. Responsible for managing one other programmer, daily maintenance and bugfixes, designing and developing new components, and redesigning the existing system, both front and backend, to be faster and scalable. Primary tools used are PHP, MySQL, JavaScript, HTML5/CSS, JQuery, Git, and JIRA.

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

Specialist Systems Analyst

Worked on the Integrated Resource Management Information System (IRMIS) contract as part of a team that designed and developed a large web-based budgeting system. Was instrumental in the redesign of the IRMIS project's web portal, designed custom graphics, and developed automated tools to create complex web graphics from stock photos. Developed specialized tools for use in software deployment and implemented automated builds. Technologies used: .NET, C#, Visual Basic, JavaScript, VBScript, JQuery, AJAX, SSL, Dynamic HTML, XHTML, XML, CSS, ASP, MS SQL Server, NAnt (.NET build tool), Visual SourceSafe, Team Foundation Server, Inkscape, 0x86-64 Assembly, Win64, WIC, Direct2D, DirectWrite.

Worked on the Active Army Strength Forecasting (A2SF) contract as sole designer, developer, and maintainer of a distributed system control and monitoring application utilizing message passing, job control, load balancing, and asynchronous queries; the application interfaced with a web-based front-end, Oracle database, and an IBM mainframe Job Entry Subsystem (JES). Later served as systems programming Task

Lead. Also developed code for high-speed conversion of IBM mainframe legacy data to client/server systems and developed PDF reporting software. Technologies used: C, 0x86 Assembly, Win32, Winsock, TCP/IP, SQL, Oracle OCI, ODBC, SFTP, OpenSSL, JCL, JES, IBM MVS, VM, and PDFLib.

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

Computer Specialist

Developed a multi-user application to track documents through the change process and developed a library to allow dBase programs to print graphical reports. Technologies used: DOS, Win16, Win32, C, PCL.

PERSONAL PROJECTS

Since 2006, all of my personal programming projects have been in x86 or x86-64 Assembly Language using the Flat Assembler (FASM). These include a Win32 karaoke player, a Win32 audio player designed especially for theatrical sound cues, a Win64 tool that performs directory comparisons and reconciliation, and a Win64 desktop publishing application for music (in development). Windows technologies used include DirectSound, WASAPI, Direct2D, DirectWrite, GDI, and MIDI.

SKILLS SUMMARY

0x86-64 Assembly, MIPS Assembly, C, Win64/32 API, Unix/Linux, Git, JIRA, Windbg, gdb, Vim, Apache, PHP, Perl, MySQL, Mercurial, CGI, Fast CGI, HTML, CSS, XML, JavaScript, JSON, JQuery, AJAX, ModX, PDO, OOP, (S)HTTP, SMTP, POP3, SSH, (S)FTP, OpenSSL, Winsock, TCP/IP, PDF, .NET, Visual Basic, C#, VBScript, ASP, MS SQL Server, NAnt, Direct2D, DirectWrite, DirectSound, WASAPI, WIC, WINTAB, CD+G, VST, Oracle OCI, ODBC, Sendmail, Visual SourceSafe, ClearCase, ClearQuest, Team Foundation Server, Inkscape, Adobe Illustrator, JCL, JES, IBM MVS, VM

CLEARANCE

Active Top Secret clearance granted in March 2019

REFERENCES

Colin Davidson, Senior CNO Developer
ManTech
206-259-0317 (cell)

Steve Lundberg, Director-Client Executive
AT&T Government Solutions
703-506-5582

Amanda Moore, Sr. Specialist Sys. Design Engineer
AT&T Government Solutions
703-506-5509

Chuck Daugherty, Sr. Specialist Systems Analyst
AT&T Government Solutions
571-233-7094 (cell)

ORGANIZATIONS

Mensa