

Nicholas D. Borko

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Objective	Become an effective leader in the IT community by leading developers, training staff and educating users through the use of my unique skills and experience in directing and managing enterprise software development projects and through my special teaching talents, in and out of the classroom.
Skills	<ul style="list-style-type: none">• Project and Program Management, Agile Software Development, and CMM based software processes• Extensive teaching and training experience, for both technical and non-technical audiences• In-depth experience with windowing systems, compilers and debuggers, Integrated Development Environments, version control, office automation software, and relational database management systems• Proficient in C/C++, perl, Python, PHP, ColdFusion, ASP, SQL, Unix shell, BASIC, HTML, XML, CSS• Experience in Java, FORTRAN, Ada, LISP, Prolog, Assembly, TCL/Tk, and various 4GLs• Database systems used include Oracle, Microsoft SQL Server, PostgreSQL, MySQL, SQLite, Access• Administration and development experience on most major operating systems: Unix (and variants), Linux, VMS, Microsoft Windows Desktop and Server, Novell, Apple
Experience	<p>4/04–Present Frontline Systems, Inc., San Antonio, TX Senior Software Engineer</p> <ul style="list-style-type: none">• Developed Internet applications in ColdFusion and ASP• Designed and implemented database schemas using Microsoft SQL Server• Authored software process documentation, including requirements documents, ERDs, DFDs and others• Managed development of registration and issue tracking systems for HUD Good Neighbor Next Door programs <p>6/03–03/04 GAI, Incorporated, San Antonio, TX Senior Software Engineer and Strategist</p> <ul style="list-style-type: none">• Developed the Python Servlet Engine (PSE), a commercial Python and internet development and integration tool• Designed and implemented database schemas using Oracle and PostgreSQL RDBMS systems• Trained staff in the Python programming language and in PSE application development• Developed military logistics planning, budgeting and tracking applications using Python• Designed and implemented VPN solutions and other IT services for various clients <p>6/01–3/03 Rackspace Managed Hosting, San Antonio, TX Director of Internal Information Systems Development</p> <ul style="list-style-type: none">• Managed the lifecycle of development of CRM and ERP enterprise information systems• Hired, managed, and conducted employee reviews for the software development team• Provided the vision and design of the enterprise information systems architecture• Trained new developers, management and staff on design, development and implementation processes• Developed enterprise database schema designs in response to changing requirements <p>6/00–6/01 Rackspace Managed Hosting, San Antonio, TX Research and Development Engineer</p> <ul style="list-style-type: none">• Gathered and managed software requirements for customer-related information systems• Designed and developed business solutions in perl, Python, PHP, SQL, and other Open Source technologies• Assisted training department by supplementing regular training programs with special topic lectures and training <p>11/97–5/00 Booz, Allen & Hamilton, Inc., Edgewood, MD Senior Consultant (Internet Information Systems)</p> <ul style="list-style-type: none">• Led a team of web developers to implement World-Wide Web sites and Internet communication solutions for the U.S. Army Chemical Demilitarization program• Wrote CGI scripts in perl, Python, C++ and Visual Basic for Linux and Windows NT systems• Developed web-enabled database applications using Cold Fusion, PHP, Microsoft SQL Server, Oracle and MySQL• Developed Geographic Information System (GIS) with web interface using ISAPI• Trained staff in HTML and web technologies to distribute web publishing workload• Administered Novell NetWare, Unix and Windows NT networks <p>2/98–12/99 Harford Community College, Bel Air, MD Instructor, Internet Certification Program</p> <ul style="list-style-type: none">• Designed and implemented certification programs for Internet/World-Wide Web technologies, including HTML and CGI programming• Prepared lessons and created course materials• Conducted lectures and labs

Experience (continued)	<p>3/96–8/97 U. S. Air Force, Brooks AFB, TX Information Systems Manager/Developer</p> <ul style="list-style-type: none"> • Managed military and contractors administering base WWW and other Internet services on UNIX and Windows NT • Developed web pages and scripts for the base and its organizations • Migrated legacy e-mail system to Defense Messaging System • Developed base mailing system software for official messages and notifications • Developed MIME translation package for base systems, saving over \$10k per license • Conducted training sessions for World-Wide Web, HTML and perl <p>8/95–5/96 San Antonio College, San Antonio, TX Instructor of Computer Information Science Technology (Adjunct Faculty)</p> <ul style="list-style-type: none"> • Conducted college-level courses in C++ programming and data structures • Prepared lessons and course material and conducted lectures and labs <p>8/94–3/96 U. S. Air Force, Kelly AFB, TX Officer in Charge of Operations/Software Engineer Officer</p> <ul style="list-style-type: none"> • Managed Unix and Windows network for about 100 systems developers • Coordinated software development activities with upper management • Managed Software Process Improvement (CMM-based) with Software Engineering Process Group • Trained development staff on networking concepts, operating systems and e-mail applications • Monitored contracted software development activity • Procured new hardware and software systems <p>4/94–8/94 University of Miami Center for Medical Imaging and Medical Informatics, Miami, FL Programming Consultant</p> <ul style="list-style-type: none"> • Developed integrated client/server patient database for Miami Medical Complex • Developed custom middleware between remote database products and web servers • Worked with remote data mapping, object-oriented database development, and custom hypertext protocols <p>1/93–12/93 University of Miami Department of Computer and Electrical Engineering, Miami, FL Sun System and Network Administrator</p> <ul style="list-style-type: none"> • Managed Unix systems, network and users for University Department • Conducted hardware and software installation, configuration and maintenance <p>9/92–5/93 University of Miami Information Services, Miami, FL Computer Laboratory Technician</p> <ul style="list-style-type: none"> • Assisted users with IBM PC, Macintosh, IBM Mainframe and VAX VMS systems and software • Responsible for lab security, and facility and equipment maintenance
Education	<p>1990–1994 University of Miami, Miami, FL Bachelor of Science in Computer Engineering Degree, Cum Laude</p> <p>1994 Air Force Computer Training Center, Keesler AFB, MS Communications-Computer Systems Software Engineer Officer Course</p> <p>1995 Defense Information Systems Agency, Kelly AFB, TX Introduction to the Capability Maturity Model for Software</p> <p>1996 Air Force Communications Agency, Kelly AFB, TX Software Process Improvement (CMM-based) Assessment Team Training</p> <p>1996–1997 Air Force Institute of Technology, Wright-Patterson AFB, OH Software Professional Development Program Received Air Force certification as Software Engineering Professional</p>
Honors and Affiliations	<ul style="list-style-type: none"> • Air Force Achievement Medal (2) • Eta Kappa Nu, Epsilon Kappa Chapter • Tau Beta Pi, Florida Beta Chapter • Reserve Officer Association (ROA)
Interests	<p>Professional Development</p> <ul style="list-style-type: none"> • Wrote article for O'Reilly & Associates publication, <i>Python Success Stories Vol. 1</i> • Participate in Open Source Software projects <p>Hobbies</p> <ul style="list-style-type: none"> • Wrote and maintained an interactive, multi-player fantasy game (MUD) on the Internet for over 10 years • Homebrewing, photography, and digital imaging