

Don G Barber III

10073 Shaker Dr
Columbia, MD 21046

240-672-7198
don@dgb3.net

SUMMARY OF QUALIFICATIONS

- Developed and Managed IT strategy.
- Managed IS/IT projects in regulated environments including Pharmaceuticals and Government
- Architected IT systems for successfully meeting business requirements
- Led successfully during crisis situations and managed a business unit financial turnaround.
- International experience including cross-border regulations, tax implications, & outsource vendor management
- Led multiple teams in planning and implementing new solutions and services.
- Able to manage multiple objectives in fast-paced environments.
- Very familiar with Cloud technologies, Internet systems, and a variety of Infrastructure Platforms
- Broad and deep expertise across a variety of technology areas.

EXPERIENCE

AstraZeneca

Infrastructure Architect, Enterprise Computing

Gaithersburg, MD

September 2014-Present

- Responsible for AstraZeneca's global strategy and architecture of primary data centers, local server rooms, and cloud partner (Amazon Web Services & Microsoft Azure) data centers
- Implemented, matured, and led enterprise processes for technical oversight, decision making, and project governance
- Set standards and directions for compute platform, storage, networking, operating systems, database engines, cloud vendors, and cloud solutions
- Directed solutions across 105 countries, 140 data centers, and 14,000 servers.
- Managed cross-functional teams of architects, engineers, project managers, vendors, and other stakeholders
- Aligned strategic initiatives across multiple IT and business areas with accommodations for complex international requirements for data privacy, taxes, and licensing domains
- Implemented several regulated systems, including platforms qualified for GxP (GMP, GCP, GLP)

Infrastructure Transformation Program Business & Technical Design Lead

2013- 2016

- Led Data Center Strategy team, engaging with management, service units, & vendors and applying strategic framework to develop & publish AstraZeneca Data Center & Connectivity Strategy Documents
- Designed project breakdown and resource plans for infrastructure transformation program, including data center relocations, storage and virtual platform refresh, asset discovery, and operating model definitions
- Mobilized & chaired program architectural governance board
- Aligned resources and eliminated obstacles for reaching program goals, including redirecting ongoing projects or rescoping program plans

Architect, MedImmune Enterprise IS, Portfolio & Planning

2012-2014

- Developed roadmaps and plans to execute corporate strategic IS goals
- Directed strategic initiatives such as cloud adoption, virtualization, disaster preparedness, and application rationalization
- Aligned efforts with cross-company management to achieve objectives, including hosting presentations, discovery sessions, lessons-learned meetings, and other communications
- Architected global disaster recovery solution, overseeing team of subject matter architects and engineers
- Led team in project and service unit engagement
- Represented Infrastructure at enterprise review boards for architectural approval
- Led demand management, portfolio planning, project engagement, and service delivery for Infrastructure unit
- Ensured FDA qualified state of IS environment, including qualification and validation of new systems

TEKSystems, Inc

Project Manager

Gaithersburg, MD

2011-2012

- Consultant to MedImmune, an AstraZeneca company
- Managed data center migration and consolidation projects, migrated applications from outsourced hosting to internal data centers, and led hardware refreshes for legacy hardware
- Managed scope and schedule, and delivered projects within time and budget

- Developed qualified procedures and maintained FDA validated state of applications during migrations including audit-ready documentation
- Engaged business units, gathered information, and developed project schedules for individual application migrations
- Coordinated testing teams, business units, migration engineers, operations teams, and networking teams to ensure effective execution of project plans
- Established relationships with business units throughout organization to gather and communicate information; gained consensus across business units to support program goals
- Performed information discovery and knowledge management to ensure post-project organizational learning
- Led application migrations involving IBM AIX, RedHat Enterprise Linux, Sun Solaris, Microsoft Windows, SAN storage, NFS storage, Oracle DB, Documentum, SQL Server, VMWare, and a variety of other technologies

Computer Technologies Consultants, Inc

Seabrook, MD

Director, Project Manager

2008-2011

- Developed public IaaS cloud platform for hosting regulated federal government systems
- Consultant to multiple US Department of State bureaus, Qwest Communications, Correct RX, Stellar Strategic, and other clients
- Managed multiple diverse, global project teams to implement business and information technology solutions, budgets ranging between \$10 thousand and \$8 million
- Reversed 20% annual hosting division losses to an annual 40% gain
- Presented solutions to potential clients and partners at board meetings, executive presentations, due-diligence meetings, and other venues via in-person presentations, web conferencing, telephone meetings, and informal settings
- Presented best practices/sales information at a variety of conferences, including the 2008 Government Open Source Conference and the 2011 US Department of State Cloud Computing Symposium
- Accountable for success of several client technology projects
- Managed teams migrating applications and databases to new data centers, including pepfar.net (Microsoft Sharepoint and SQL server), educationusa.state.gov (Coldfusion), careers.state.gov (PHP), and america.gov (WebGUI and MySQL), www.state.gov (Oracle). The majority of these migrations included physical-to-virtual conversions.
- Develop project proposals, gant charts, submit status reports, prepare invoices, maintain project budget and scheduling, lead project team members
- Responsible for profit and loss of corporate hosting function

System Engineer

2005-2008

- Consultant to US Department of State, International Information Programs
- Served as team lead for technical team, managed team activities, determined requirements, and scheduled tasks
- Responsible for stability, security, and availability of entire content management and publishing environment for all US Embassy, Consulate, Mission, and other Post websites. Managed growth from 50 sites on 4 servers to over 450 sites on over 25 machines, including expansion to social networking, blogs, multimedia, content syndication (via RSS), and mobile delivery.
- Oversaw migration of environment from physical servers to virtual machines in a private cloud; performed virtualization feasibility analysis accounting for high-IO or high-CPU requirements or vendor support/licensing limitations
- Developed application (written in Perl) that processes published content and delivers it to over 60,000 caching servers around the world via the Akamai Content Delivery Network. Application handles cache expirations, submission to search engines, and also self-monitoring to test final product delivery success
- Led over 5 data center migrations, including movement of databases (MySQL), web servers (Apache and IIS), and applications (WebGUI, Wordpress, Mediawiki, WebTrends, Gallery, vs-ftp, Fedora Directory Server, various legacy custom-developed applications) Migrations were done smoothly with minimal end-visitor impact. Migrations consisted of same-type migrations (such as LAMP to LAMP migrations) and conversion-migrations (for example, one such was migrating an e-Grail FileNet instance from Solaris-Oracle to Linux- MySQL).
- Performed feasibility studies, proofs-of-concept, and pilots. Determined requirements and success criteria for proposed projects
- Managed software development: resolved requirements, created design, estimated time, supervised implementation team, and participated in implementation
- Consulted for best practices, web protocols and technologies, encryption, directory services, international language encoding, and other technology standards

RG II Technologies, Inc

Annapolis, MD

Network Administrator

2003 – 2005

- Consultant to US Department of Commerce, National Oceanic and Atmospheric Administration
- Lowered costs and improved staff effectiveness by implementing new information systems
- Developed partnerships with other government offices to mutually implement disaster recovery procedures, including tape exchange, procurement of fire-proof media safe, and off-site storage.
- Migrated from Netscape Messaging Server 4.0 on Microsoft Windows NT 4.0 to Sun One Messaging Server 5.0 on Sun Solaris 10
- Migrated legacy systems to open source alternatives that included integration with enterprise-wide LDAP directory for identification and authentication, including dial-up modem bank, file sharing, and workstation logins
- Administered Novell Netware 6.0 Servers, including NDS services, and led Zenworks roll-out
- Administered multiple Red Hat Linux servers, Sun Solaris, FreeBSD, Irix, and Microsoft Windows based systems.
- Managed TCP/IP network, firewalls, routers, switches, copper and fiber cabling
- Supported help desk as second-tier level support
- Performed annual inventory and audit of IT assets

Psychiatric Genomics, Inc

Gaithersburg, MD

System Administrator

2002 – 2003

- Ensured information systems continually met evolving biotechnology startup business requirements, including HIPAA requirements
- Maintained systems availability with minimal budget
- Implemented program to migrate commercial software to open source alternatives
- Configured and maintained network, servers, workstations, and storage, including Red Hat Linux, Microsoft Windows, and dedicated NAS devices
- Configured multi-homed Internet routing to ensure connectivity via separate Internet providers using custom-build Linux router
- Implemented Linux-based PPTP VPN server
- Administered HP Openmail enterprise e-mail and collaboration suite
- Developed and Implemented procedures for data backup and restoration including off-site storage with Iron Mountain
- Automated health monitoring to inform administrators of network and server issues using Nagios software, including paging through TAP protocol
- Developed Python, Perl, and C based programs for Bioinformatics and Systems Administration purposes

Marietta College

Marietta, OH

Internet Systems Manager

1999 – 2001

- Managed e-mail, web, and all Internet systems for 2000+ users.
- Developed new allocation model that increased available network addresses by 225 percent
- Migrated three academic buildings from proprietary routers and file servers to open source alternatives
- Designed and implemented centralized user authentication using LDAP, TACACs, and RADIUS

EDUCATION

Robert H. Smith School of Business, University of Maryland

College Park, MD

Master of Business Administration, Focus on IT Strategy Implementation

December 2009

GPA: 3.913/4.0

Relevant Studies: Strategy Implementation, Planning and Control Systems, Strategic Management, Operations Management, Human Capital Management, Global Supply Chain Management, International Business, Data Modeling, Global Studies Course in India (visiting Mumbai, Bangalore, New Delhi/Gurgaon, Agra, & Amritsar)

Marietta College

Marietta, OH

Bachelor of Science, Computer Science

2001

VOLUNTEER SERVICE

Maryland Defense Force

Pikesville, MD

1st Lieutenant, Policy & Procedure Officer, Cyber Security Unit

Commissioned 2014-Present

- Served as member of ‘all hazards’ incident response force
- Developed electronic attack response and mobilization plans
- Assisted other branches in Maryland Military Department (Army National Guard, Air National Guard, Emergency Management Agency) with Cyber Security exercises

- Reviewed readiness & prepare state agencies for electronic attack by assessing policies, procedures, and assisting with test exercises

ADDITIONAL INFORMATION

Work Permits: US, all EU, and India

Certifications: Project Management Professional (PMP), Project Management Institute. Certified Linux system administration.. Certificate for Sun One Message Server and Sun One Directory Server training. FCC Amateur Radio Extra Class License

Honors: MedImmune Certificate of Appreciation (2013). United States Department of State Certificates of Appreciation (2006, 2007, 2008, 2009, 2011). Eagle Scout Rank, Boy Scouts of America.