

STEVEN J. BERNSTEIN

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Profile

Software Development Manager and Enterprise Architect with exceptional technical leadership in software development. Proven communications and project management skills with an emphasis on customer satisfaction in an IT environment, primarily for the Financial Services industry. Worked internationally as expatriate consultant; conversational Dutch, German.

Professional Experience

Medical Security Card Deutschland, Potsdam, Germany (based in New York). 2006 – present
Deputy Chairman of a new entrepreneurial venture.

- Oversees all aspects of IT product development and design specification, risk management, international outsource vendor management, software design and SDLC, budgeting, and personnel management of 30+ international staff to develop secure authentication technology to maintain Electronic Medical Records.

Reuters America, New York, NY, USA. 2002 – 2006
Senior Technical Analyst / Project Manager, Americas Operations.

- Recovered \$10 million/month through aggressive technical analysis of regional telecommunications expenditures and mechanisms, preventing significant job losses in 2003.
- Built market data satellite-based IT infrastructure for LATAM on time and 20% under budget while maintaining unprecedented levels of system availability for customers.
- Developed and documented new IT Data Center Operations processes, streamlining Methods of Working for Reuters centers in North America. Developed resource allocation models to manage 150-person 24/7 Operations staff, providing a 25% improvement in the effective use of resources.

Morgan Stanley, New York, NY, USA. 1999 – 2002
Senior Associate / Group Leader, Enterprise Applications Development Group, Infrastructure IT.

- Engineering Lead for development and support of corporate killer-apps – secure desktop email client and primary web browsers – for 30,000 Morgan Stanley employees worldwide. Radically improved employee productivity by improving product reliability. Reduced failures of scheduled software implementations by two orders of magnitude through creative and disciplined QA practices.
- Managed a team of up to 8 UNIX and Windows developers and support staff to implement fault tolerant solution prototypes and new designs, deploy software worldwide, troubleshoot complex IT problems, develop/perform QA, define development standards, generate documentation, and conduct security and ITIL compliance reviews. Responsible for team staffing (full-time and contract), providing performance and salary reviews, training, budgeting, as well as technical mentoring and career development.
- Developed LDAP architecture solutions and worldwide directory services infrastructure; maintained and enhanced Perl scripts to manage data security, data integrity, and systems monitoring; successfully implemented advanced features for LDAP, including schema, Active Directory referrals, replication, and security controls for multi-level, fault-tolerant hierarchical environment. Introduced QA processes for schema verification testing, performance testing, email branding, and assessing hardware/software solutions for directory services deployments. Created technical specifications for inbound/outbound feeds of LDAP data to affiliate internal organizations, including HR and Facilities.
- Collaborated with IT Service Managers in global financial business units to manage product testing and software deployments; dramatically improved customer satisfaction by providing training, technical documentation and hands-on knowledge transfer to engineering and support-level staff on trading floors in New York, London, Tokyo, and Hong Kong.
- Provided technical support on corporate technology initiatives for Windows, UNIX and mobile wireless platforms; participated in development of long-term business and technology strategies as well as risk assessments. Successfully partnered in research and development efforts for the following technologies: digital certificates, Netscape roaming profiles for email and web access, Netscape iPlanet products, and remote LDAP scripts on wireless devices. Communicated, promoted, and advanced EA strategies with corporate business goals.

Standard Microsystems Corporation, Hauppauge, NY, USA.

1993 – 1999

Senior Systems Administrator / Programmer, Components Products Division.

- Assessed new technologies and provided technical guidance on the architecture for the initial launch of the SMC corporate website in 1995.
- Managed an international computing environment of Solaris, Windows, and VAX/VMS systems for chip design engineers in the USA and Japan; defined security policy, administered systems, monitored performance, developed test strategies, automated installations and backups, performed QA; completed all Y2K preparation by September 1999.
- Collaborated on the development of chip design methodology using CAE/CAD tools, supervised and mentored junior engineers' software development efforts.

Senior Systems Administrator / Programmer, SMC Networks – Systems Products Division.

1992 – 1993

- Managed a computing environment of integrated Windows and UNIX machines for designing, manufacturing, and testing SMC Network products.
- Overhauled circuit board design methodology and implemented long-range strategic plans for purchase and use of distributed hardware and software, improving time-to-market for designs by 33%.
- Provided hardware and software support to all hardware engineers, circuit board layout designers, mechanical draftspersons, technicians, engineering managers, and non-technical users; managed suite of engineering and business applications.

Digital Equipment Corporation, Shrewsbury, MA, USA.

1987 – 1992

Engineer / Systems Administrator, Electronic Storage Division.

Provided software support for chip and printed circuit board design. Developed first VAXcluster-based computing environment for hardware design groups. Completed first-pass design verification of high-speed solid-state (no moving parts) disk drives. Addressed system and network administration, security, testing, and performance tuning on systems and components including OpenVMS, VAX/VMS, Ultrix, X-windows, DECnet, and TCP/IP.

ITT – Bell Telephone Manufacturing Company, Antwerp, Belgium.

1986

Expatriate Engineer, CAD Group.

Transferred chip design environment from ITT-ATC (Connecticut) to ITT-BTM (Belgium); reconfigured single-user workstation environment to multi-user minicomputer environment; performed pre-release testing and QA of all in-house chip design and verification software for use throughout ITT Europe; collaborated with engineers in all European design centers.

ITT – Advanced Technology Center, Shelton, CT, USA.

1984 – 1985

Associate Member Technical Staff, Design Methodology Group.

Responsible for design and layout of two gate-array chips; developed software to automate chip customizations; designed and fabricated test circuits to verify functionality; participated in the specification of design methodologies for full-custom chip design.

Technical Skills

Operating Systems/Networking: Windows Vista/2003/XP/2000/NT, Sun Solaris, Linux, DEC Ultrix, X-windows; Cisco IOS, DNS, Checkpoint, Raptor firewalls.

Email/Messaging: Exchange/Outlook (MAPI), IMAP, SMTP, Lotus Notes; Reuters Messaging, IM Clients; LDAP, Active Directory, Oblix.

Programming Languages: Perl, HTML, csh/ksh/sh, Java, XML.

Market Data Applications: Reuters 3000 Xtra Premium Desktop, Reuters Market Data System (RMDS), IDN/BDN, RDF/RWS, BridgeStation, BridgeChannel.

Desktop/Web Application Development: Microsoft Excel, Microsoft Project, Photoshop, Dreamweaver MX, Flash MX, Mozilla/Firefox, Thunderbird, pine, Adobe Acrobat Professional, Netscape Communicator Professional Edition, Planview, Sharepoint, Oracle, Peregrine.

Quality Assurance Programs: Six Sigma, TQM, ISO 9000/9001/9004.

Education

Rensselaer Polytechnic Institute, Troy, NY, USA.

1984

Bachelor of Science, Electrical Engineering.