

**STEPHEN A MOITZO II**  
CMU/SEI Software Architecture Professional  
PO Box 542  
Lewiston, ME 04243

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## OBJECTIVE

Seeking a challenging leadership position in an organization that will utilize my skills in software architecture, project management, software development, as well as my ability to bridge the gap between business problems and technology solutions.

## DOMAIN EXPERTISE

- Software Architecture
- Software project and development life-cycle management
- Internet systems
- Linux system administration
- Identity and access management
- E-commerce
- Web-based content management
- Learning management systems
- Higher education information systems
- K-12 information systems

## SKILLS

- Software architecture design, documentation, and evaluation
- Requirements elicitation and management
- Technical project organization and leadership, including development of mission and business critical systems with cross-functional teams
- Management of highly skilled technical staff
- Configuration management
- Middleware design and implementation
- Management of enterprise Public-key Infrastructure (PKI)
- SQL programming on Oracle 8i, 9i, 10g, PostgreSQL, MySQL, and MS SQL Server
- Rapid application prototyping in Filemaker Pro 5, 7, 9 RDBMS
- Linux/Unix Web, application, middleware, and database server configuration and administration
- Configuration of Linux-based DNS and e-mail servers
- Configuration of Mac OS X server, NetBoot, NetInstall, AFP, and OpenDirectory to support centralized desktop management
- Java, iBatis, PHP, Miva, Cold Fusion, HTML, XML, JavaScript and CSS application development and programming
- Web application frameworks: Wicket (Java) and CodeIgnitor (PHP)
- Photoshop and QuarkXPress for desktop, web and PDF publishing

## WORK HISTORY

8/01-present      **BATES COLLEGE** Lewiston, ME – SOFTWARE ARCHITECT AND MANAGER OF INTERNET SOFTWARE SERVICES

Reported to the Vice President of Information and Library Services (the College's CIO). Served on the Information and Library Services (the College's central IT organization) senior management team. Provided software architecture analysis, design, and documentation to large ILS projects involving staff from numerous ILS departments and other departments of the College. Managed department of highly skilled programmer/analysts and Web developers. Commissioned and edited a software process designed for use by small teams on small to medium sized projects. Software architect and manager of the College identity and access management initiative, tasked with designing and implementing an enterprise identity management solution consisting of an identity registry, account and permission provisioning systems, directory services, authentication services, fine-grained authorization service, self-service password management solution, single sign-on, and federated authentication. Designed and oversaw the implementation of an automated College catalog generation system which produced both a print catalog as well as an interactive Web-based catalog. Implemented a Web-based e-commerce platform for the College store. Designed and implemented a Web-based event registration system to support annual reunions, the College's most complex events. Performed numerous system integrations, including credit card payment solutions. Oversaw the management of the College's major Web-based systems which included the central content management system, the learning management system, and the webmail system. Developed the College's public-key infrastructure (PKI) strategy, including S/MIME for secure e-mail communications. Conducted numerous architectural and security assessments of Internet-related software and networked systems. Solutions employed the following technologies: Java, Wicket, iBatis, PHP, CodeIgnitor, OpenSSL, Apache, MySQL, MS SQL Server, Oracle 8i, 9i, 10g, and HSQLDB on Linux, Tru64 Unix, and Windows Servers

8/02-present      **SAFERATING, INC.** Lewiston, ME – FOUNDER/SOFTWARE ARCHITECT

Designed and implemented a flexible Web-based data gathering and workflow system called Paperless Form Technology. Managed all infrastructure, ranging from system administration to backup strategies, to end-to-end data encryption strategies. Solutions are HIPAA-compliant and employed the following technologies: PHP, Apache, encfs, rsync, OpenSSL, PostgreSQL, and MySQL on Linux

4/01-present           **NORTH ATLANTIC REGIONAL SCHOOLS** Lewiston, ME – **SYSTEMS CONSULTANT**  
Managed all network services and server infrastructure. Planned and implemented centralized desktop system image management using OS X Server tools. The solutions employed the following technologies: OpenDirectory, NetBoot, NetInstall, AFP, Linux, bind (DNS), Qmail (SMTP), Courier-imap, rsync, Apache, PHP, MySQL, and PostgreSQL on Mac OS X Server and Linux

9/00-3/01               **QUANTUMEDUCATION.COM** Glen Burnie, MD -- **CHIEF INFORMATION OFFICER (CIO)**  
Oversaw the development of all mission and business critical system architecture and all technology related business initiatives. Created the technology roadmap for the company. Lead a team of technical professionals in the development of an intelligent learning management system and supporting business infrastructure. Created Web-based systems which allowed the company to use the same content and data engines to deliver different content to different market segments with unique user interfaces for each market. Worked closely with instructional designers and graphic designers to ensure the educational value and usability of content and delivery systems. The solutions employed the following technologies: PHP, Perl, XML, HTML, JavaScript, CSS, MySQL, and PostgreSQL on UNIX.

QuantumEducation.com ceased all business operations in March of 2001 resulting from an inability to secure funding.

2/00-9/00               **USBID.COM** Melbourne, FL -- **TECHNICAL MANAGER**  
Worked as a liaison between marketing, sales, e-commerce and technology departments to develop technology solutions to business problems. Worked with cross-functional development teams including vice-presidents, directors and managers to develop solutions that would provide process and work flow efficiencies. Developed a response rate tracking system for reporting effectiveness of bulk e-mail campaigns. Worked with a collaborative software design team, composed of technical and business staff, to design and implement an online business-to-business trading system. Developed methods and systems for acquiring frequently searched for parts and highlighting truly great buys in a system with more than 4 million product line items. Worked closely with customers, graphic designers and usability specialists to ensure consistent and useful user interface of the Web-based trading system. The solutions employed the following technologies: ColdFusion, ORACLE 8i, MS SQL Server, FileMaker Pro, Perl, HTML, CSS, JavaScript and ran on Windows NT and Solaris.

1/99-9/00               **BOOKMOBILEONLINE.COM** Lewiston, ME -- **FOUNDER/CHIEF EXECUTIVE OFFICER (CEO)**  
Initiated and oversaw the operations a profitable business-to-consumer e-commerce company. Designed and developed all vital systems including a customer relationship management (CRM) system, automated inventory acquisition, shopping and automated business-to-business fulfillment systems. Established relationships with suppliers and implemented system integrations to ensure the fastest order fulfillments possible. The solutions employed the following technologies: Miva, PHP, MySQL, FileMaker Pro, Perl, HTML, JavaScript and Java.

6/93-1/99               **NORTH ATLANTIC REGIONAL SCHOOLS** Lewiston, ME – **SYSTEMS ARCHITECT**  
Designed and oversaw development of a central student information system with an integrated CRM system to support teachers, students, and parents. Designed and developed five (5) corporate web sites as part of an enterprise Internet marketing strategy. Implemented centralized image management/deployment for Mac OS X desktop computers. Developed all corporate technology infrastructure including network design, database servers, data storage, back ups, and VPN for the main location and three remote offices as well as individual remote employees.

## **EDUCATION**

Lewiston/Auburn College--Lewiston, ME

## **CERTIFICATIONS**

Software Architecture Professional  
Carnegie Mellon Software Engineering Institute (CMU SEI)  
Verification: <http://www.sei.cmu.edu/credentials/certif-holders.html>

## **REFERENCES**

Available upon request