

JOHN B. SLANKAS

SOFTWARE ARCHITECT & ENGINEER

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PROFILE

Innovative software architect with fifteen years of industrial experience in the analysis, design, development, testing, and maintenance of software systems. Effective team leader in producing effective solutions to meet customer needs.

- Developing and executing strategy
- Managing projects
- Mentoring employees
- Data Analysis
- Research
- System Architecture

PROFESSIONAL EXPERIENCE

Research Assistant / Instructor / Teaching Assistant August 2009 to present
North Carolina State University, Raleigh, NC

Pursuing a PhD in Computer Science

Responsibilities:

- Researching state of the art practices with regards to access control, policy management, and database security. Developing new concepts to control access to sensitive information stored within databases based upon policy and requirement driven needs.
- Taught Introduction to Computing with Java in the Spring of 2011 for 31 students. Created and delivered all course lectures and exams for my section.
- Teaching assistant for three graduate level courses (Object-Oriented Languages and Systems (Fall 2009), Compilers (Spring 2010), and Software Security (Fall 2011). Duties included providing practical knowledge and application of subject material based upon professional experience, grading all assignments, projects, and exams, creating assignments and exams in conjunction with course instructor, and lecturing as needed.

Accomplishments:

- Outstanding Graduate Teaching Assistant, North Carolina State University, 2011
- Outstanding Teaching Assistant, Department of Computer Science, 2010 and 2011
- Mentored Teaching Assistant, Spring 2011

Systems Analysis/Program Senior Manager

January 2006 to June 2009

Wachovia Corporation, Charlotte, NC

Led team of seven professionals to design, develop, operate, and maintain custom identity management based applications to support Wachovia's Information Security Group.

Responsibilities:

- Provide technical guidance, leadership, support and training for the development and maintenance of applications.
- Partner with peers in Wachovia's Information Security Group to identify and specify complex business requirements and processes. Lead team in the application design, testing and implementation of those requirements and processes.
- Coordinate application changes with the client area, development staff, operations, network, security and IT technical staff.
- Mentor employees.

Accomplishments:

- Ensured system access reviews of over 120,000 employees performed on a triannual basis, a critical activity to meet compliance and regulatory standards.
- Oversaw development and operational support of a system to request, approve, and provision access requests. System performed over 20,000 requests per month with most requests automatically provisioned.
- Developed and supported system to track critical HR transactions related to identity management needs. System automatically notified other systems to change access controls based upon employee transfers and terminations.

Web Group Leader

September 1999 to December 2005

Wachovia Corporation, Charlotte, NC

Led team of six professionals responsible for developing and maintaining customized web applications for Wachovia's Human Resources Division.

Accomplishments:

- Led team to develop, deploy and maintain HR Online. This internally built application provides employee self-service transactions, manager self-service transactions, job postings, HR Handbook, and corporate directory. Over 99% of the active employee population accessed the application. Over 25,000 users access the application on a daily basis. HR Online provides tremendous cost savings to the corporation by automatically processing transactions into the payroll system. System processes over 50,000 transactions and 8,500 job applications monthly. Application is available through Wachovia's intranet as well as the Internet.
- Developed application to send out targeted email to various population groups.
- Developed real-time interface to synchronize corporate LDAP servers with HR data
- Developed and maintain disaster recovery architecture and processes for applications

Senior Consultant

June 1998 to August 1999

Sybase, Inc., Atlanta, GA

Designed and developed Java solutions for a large national bank. These solutions enabled the bank to effectively manage employees and the company's organizational structure. Other developed solutions supported the company's intranet environment. These solutions involved design, development, and testing of Java applets and applications as well as database work with data modeling and performance & tuning. Teamed and mentored with bank employees to complete these projects. Taught Sybase's Fast Track to Java and Rapid Application Development with PowerJ courses. Team leader of three consultants.

Software Engineer / Captain

June 1996 to June 1998

USAF - National Security Agency, Ft. Meade, MD

Software Process Engineer / First Lieutenant

May 1994 to May 1996

USAF - Space and Warning Systems Center, Peterson AFB, CO

Instructor and Teaching Assistant

June 1993 to December 1993

University of Arizona, Tucson, AZ

TECHNICAL SKILLS

Databases: Oracle, Microsoft SQL Server, MySQL, PostgreSQL, PostGIS, Sybase, LDAP

Languages: ASP, C, CSS, HTML, Java, JavaScript, Perl, R, Ruby, SQL, Transact-SQL

APIs: JDBC, jQuery, REST, RMI, Servlets

Platforms: Microsoft Windows, Unix and Linux variants

Web Servers: Apache, IIS, SunOne/iPlanet

Application Servers: jBoss, Tomcat, WebSphere

Tools:

Eclipse, Fortify, Microsoft Office, Microsoft Project, RStudio, Weka, Visio

Other: Agile development, data analysis, data visualization, machine learning, natural language processing, project management, service-oriented architecture, software security, virtualization, usability

EDUCATION

Ph.D., Computer Science, North Carolina State University, 2014 (expected)

M.S., Computer Science, University of Arizona, 1993

B.S., Mathematics, University of Notre Dame, 1992

OUTSIDE INTERESTS

Photography, cycling, kayaking