



COMPUTING SKILLS      LANGUAGES: Java, JavaScript, PHP, XML, Perl, C, C++, SQL, XHTML/CSS  
DATABASE APPLICATIONS: Oracle RDBMS, SQLServer, MySQL, TOAD  
PLATFORMS: Unix (AIX, HP/UX, Linux, Solaris), DOS/Windows (NT/2k/XP)

PROFESSIONAL EXPERIENCE      **SENIOR SOFTWARE ENGINEER, SEARCH ENGINE TEAM**      2005-2006  
GlobalSpec, Inc., Troy, New York

- Developed Java software enhancements to existing vertical search infrastructure.
- Architected next-generation vertical search engine to address current issues with scalability, performance, and redundancy.

**BUSINESS SYSTEMS ANALYST, DATA WAREHOUSE GROUP, IACS**      2001-2005  
Rensselaer Polytechnic Institute, Troy, New York

- Developed executive dashboard applications via Brio/Hyperion Intelligence; dashboards deliver information from the data warehouse to campus executives and faculty to support high-level decision-making in areas of research, admissions, Institute finance, student enrollment, position control and labor, and so on.
- Led the development and implementation of a new data warehouse architecture including security enhancements, migration to Oracle 9i, Brio 8.2, and Apache 2 on new large-scale AIX 5.1 servers.
- Established and documented baseline architecture for Rensselaer's first data warehouse implementation.

**DEVELOPMENT TEAM LEADER, NETWORK MANAGEMENT SYSTEMS**      1998-2001  
PSINet, Inc., Troy, New York

- Formed and led new development team within the core Network Engineering division. Organizational documentation included process flows, document templates, definition of roles of group members, and a source code style guide.
- Engineered a configuration management system to automate the process of building and verifying device configurations. System managed 1000+ dial-up machines and layer 2 switches across global network infrastructure.
- Architected a distributed network utilization data collection system (using SNMP) to obtain traffic data on layer 2 and layer 3 network devices. Integrated data into SAS data warehouse for capacity planning and billing purposes.
- Worked with a Cisco Systems development team to design and develop a vendor-independent layer 2 management system using CORBA and Java. Successfully managed global rollout of production system within PSINet, Inc.

**SENIOR SOFTWARE ENGINEER/SOFTWARE PROJECT MANAGER**      1994-1998  
IFS International, Inc., Troy, New York

- Led multiple teams in C and Oracle (SQL) development projects, full-scale software system documentation projects, and user-interface design and development tasks.
- Designed, coded, tested and maintained components of professional software package used for authorizing and switching financial transactions.
- Provided classroom seminars for new employees to become acquainted with the IFS software system (TPII), the associated development tools and environments, and the departmental and company structure.