

## Executive Summary

Fortune 100 corporate work experience has given me exposure to big picture strategies and SAP style centralized solutions, while involvement in software development across tier-one research institutions has afforded me a familiarity with distributed divide and conquer approaches to problem solving. This broad range of experiences has fostered a unique perspective, and it gives me a competitive edge when tackling complex issues using proven methods for managing both top-down and bottom-up.

A detailed review of my work history will reveal a strong technical background with a dedication to problem solving. My true strengths are in bridging the communication gap between technical and business mindsets and in focusing on problems rather than technologies. My experiences with open source software communities has given me the opportunity to share technology solutions beyond the borders of the enterprise, and I believe openness and sharing within an institution and across organizations can make a critical difference in overall effectiveness.

My background and overall approach gives me a unique skill-set that will allow me to step into the Kualu leadership team and make an immediate impact by fostering a culture of sharing and collaboration.

## Skills Inventory

Software Application Development	17 years	Java Servlet and Portlet Development	10 years
Systems Analysis & Design	15 years	XML, HTML, JavaScript, PHP	12 years
Project Management & Coordination	10 years	DB2 & Oracle	10 years
Portfolio & Resource Coordination	7 years	Apache Tomcat, Ant, Maven	7 years
Portal Design & Development	7 years	Spring Framework	5 years
Enterprise Service Support	6 years	Google Apps Implementation	4 years
Database Administration & Support	4 years	Kuali Rice Framework	2 years

## Work History

### University of Illinois, Urbana, Illinois

#### **Technical Program Director (Jul 10 - Present):**

Responsible for facilitating the delivery of projects and services, as well as providing management and personnel development for multiple teams of software developers and process analysts. This includes leading collaborations across the University system to develop strategic directions and establish governance structures around shared architectures, project portfolios, and service catalogs.

- Liaison to University leadership regarding open source communities and open source product implementations (i.e. Jasig, Cernunos, OpenEAI, Kualu, and Apereo). Researching and leading the adoption of suitable open source software solutions, as well as expanding my leadership role beyond the institution to become a member of the Jasig Board of Directors and a Foundation Board member of Apereo, Inc. (a new community source foundation consolidating Jasig infrastructure products and Sakai learning management products).
- Lead the end-to-end design and implementation of web based application suites from enterprise level authoritative data sources, to RESTful web APIs, to the portlet and servlet based web user interfaces.
- Lead the creation of a Service Management Office and Project Management Office, establishing ownership of resource capacity planning, project implementation standards and practices, and service delivery processes and procedures.
- Architect and manage the implementation of trusted authentication wrappers using JAAS Kerberos and shared secret relationships in both federated and central authentication systems.

- Pioneer the adoption and implementation of platform independent development standards for delivery of RESTful Web Services that enable more campus I.T. professionals to access relevant University data stores with minimal effort.
- Participate in strategic leadership teams exploring the implementation and adoption of electronic workflow products and processes, as well as mobile computing technologies and practices.
- Manage project and service budgets of multiple software development teams and process analyst teams, as well as open source software communities as the Treasurer of Jasig, Inc.

***Technical Program Manager (Aug 07 - Jul 10):***

Responsible for facilitating the delivery of projects and services, as well as providing management and personnel development for team of software developers. This includes leading strategic collaborations across the organization and architecting frameworks and APIs that establish a robust set of enterprise shared services.

- Liaison to University leadership regarding open source communities and open source product implementations (i.e. Jasig, Cernunnos, and OpenEAI). Researching and leading the adoption of suitable open source software solutions.
- Enhanced open-source Java based portal framework, including integration with existing enterprise identity management systems (i.e. Active Directory) and service oriented architecture (i.e. OpenEAI)
- Integration of Web Services and JSR-168 standard Portlets with existing University systems, including Banner, WebCT, and the enterprise service bus architecture.
- Designed standards based, Americans with Disabilities Act (ADA) compliant, application rendering schemes using modern technologies and techniques (i.e AJAX, CSS, XSLT, and Fluid javascript components.)
- Led the creation of governance processes and teams to accept and rank project proposals used to establishing short-term and long-term priorities of software development teams.
- Led the design and development of the JAASmine library, a JAAS based Kerberos authentication framework for facilitating GSS-API validation of web application and web service requests.
- Led the design and development of the RICEmine library, a proof-of-concept LDAP module that overrides and extends the out-of-box database implementation of the KIM (Kuali Identity Management) module.
- Managed project and service budgets for software development team.

***Project Manager (Aug 04 - Aug 07):***

Responsible for facilitating the delivery of projects within the given scope, time, cost, and quality constraints. Often times stepping outside of the role of project manager, relying upon technical experience to steer the technical vision and contribute to the tactical delivery.

- Led pan-University portal proof-of-concept project. This project prepared the University to implement a full-scale portal environment on all three campuses. Ultimately, created project charter and budget and evangelized the objectives and justification for a full-scale pan-University portal implementation.
- Managed the delivery of several smaller projects: NetID Change Application, Pinnacle purchasing and inventory database migration, Request Tracker case management pilot, guest services repackaging project, and a campus anti-spam and anti-virus solution.
- Founding member of a department sponsored project management leadership team charged with the creation and refinement of project management methodology, guidelines, best practices, and tools.
- The design and development of the JAASmine library, a JAAS based Kerberos authentication framework for facilitating GSS-API validation of web application and web service requests.
- The design and development of the RICEmine library, an LDAP module that overrides and extends the out-of-box database implementation of the KIM (Kuali Identity Management) module.

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**Keane, Inc., Boston, Massachusetts*****Test Coordinator at State Farm Insurance (Jul 03 - Aug 04):***

Responsible for managing the testing efforts of multiple projects and working with business partners and enterprise service areas to ensure the testing efforts progressed through the methodology and processes successfully, issues were resolved, and milestones and deadlines were met.

- Created and coordinated execution of test deliverables throughout the lifecycle of a project including the test strategy, test plans, test procedures, test cases, and test summaries.
- Ensured test coverage and testability of all business, functional, and technical requirements supplied by the project business analysts, system designers, and systems analysts.
- Applied the principals of project management including scope, risk, and change management concerning all testing scope goals and objectives.
- Planned, coordinated, and monitored progress of all project level testing resources to ensure the timely delivery of all scheduled testing tasks.
- Set and enforced the testing guidelines and boundaries within each project, while adhering to all enterprise, initiative, and program standards and best practices.

***Engagement Coordinator at State Farm Insurance (Mar 02 - Jun 03):***

Responsible for project engagement (internal contract) coordination on multiple projects for off-site solution center. This includes resource allocation and coordination of offsite analysts to secure adequate staffing of all efforts, as well as tracking projects to ensure they were progressing as expected and issues were being resolved.

- Coordinated the efforts of all Team Leads within the office, aiding and educating them in navigating the organization and providing guidance and issue resolution throughout the project lifecycle.
- Developed methodology job aid for developers and team leads to reference in identifying owners, key resources, and dependencies for all project and enterprise processes and deliverables.
- Developed strategy, database, and web interface for tracking project requests coming to the office and resource assignments within the office.

***Project Planner at State Farm Insurance (Nov 00 - Mar 02):***

Responsible for leading the efforts of a planning team in promoting and adapting the implementation of a tightly integrated project and service business model within the enterprise. Involved in all aspects of the project lifecycle, by planning and developing schedules of work and strategies for completing a number of projects with strictly imposed deadlines.

- Tasked with scheduling and tracking the execution of all projects and components within two large business units of the Systems Department. This included approximately 1000 service and project team resources.
- Refined the concepts of component management and found both familiar and innovative ways to promote project world ideals in the service side of the business.
- Demonstrated a strong self initiative and ability to resolve issues, by following up the planning with tracking and executing the schedules of work.
- Built and maintained strong professional and technical relationships with many different levels of management and tactical delivery focused resources.

***Service Analyst at Caterpillar, Inc. (Aug 98 - Oct 00):***

Responsible for developing strategies and toolkits that help bridge the gaps between mainframe, client-server, and web development resources. This included the installation, development, and support of integrated development environments that would allow modern development, debugging, and testing techniques to be used by hundreds of developers that were accustomed to legacy mainframe environments.

- Developed and supported an interactive Visual Basic application utilizing FTP, which gave developers a GUI front end to the host source code management system Endeavor.
- Installation, administration, and support of Serena and Merant middleware to ensure seamless file and transaction access to the development community.
- Redesigned, implemented, and supported a standardized development environment for MicroFocus users that allowed direct access to mainframe resources, including IMS, DB2, and flat file data sources and application source files.
- Assumed the lead role in a pilot project designing and developing an intranet based 360 Feedback application utilizing HTML, JavaScript, Java Servlets, and WebSphere Application Server.
- Led a development team through the planning, requirements, and design of an intranet based part tracking system.
- Mentored and led the development of part tracking prototype using HTML, JSP, JavaScript, JAVA, and WebSphere Application Server.

**City of Decatur, Decatur, Illinois****Database Administrator (Nov 96 - Aug 98):**

Responsible for the design, implementation, and service of all new and replacement data stores, as well as mentoring software developers on best practices in designing and developing database driven applications.

- Administration of all databases used by employees of the City of Decatur. Database administration was done in IBM DB2 Universal Database environment.
- Responsible for database software installation and maintenance, data element design and creation, and database backup, recovery, maintenance, and performance tuning.
- Involved in all aspects of the application development process as lead designer and service analyst of client server applications using Powersoft Powerbuilder.

**Systems Analyst (Jan 95 - Nov 96):**

Responsible for application design and development of new software systems using client-server technologies to replace existing legacy mainframe architecture.

- Designed and developed a full functioning Human Resource application that included time reporting, applying a complex set of contract rules for Police Department, Fire Department, and Public Works Unions.
- Involved in technology assessments and specialized software support and mentoring for departments within the City of Decatur, including ArcCAD and ArcGIS mapping software.
- Application deployment to multiple platforms including Powerbuilder, Cobol, and SQL Windows accessing IBM DB2 UDB, Gupta SQLBase, and VSAM file structures.

**Formal Education****Illinois State University**

Bachelor of Science  
Major: Computer Science  
Minor: Business Administration

**University of Illinois**

Graduate Coursework  
Focus: Business Administration  
Focus: Legal Studies

**Specialized Training**

## Project Management Inst.

- Project Portfolio Management

## Unicon, Inc.

- uPortal Administration
- JSR-168 Portlet Development
- JSR-286 Portlet Development

## Open Integration, Inc.

- OpenEAI Analysis and Development

## IBM

- Database Administration for DB2
- DB2 Performance Tuning and Monitoring
- Developing with Websphere Application Server

## State Farm Ins.

- Facilitating Planning Sessions
- Software Development Methodology

## Nims Associates, Inc.

- Using IMS/DB
- Mastering MS Project
- Java Development
- Dale Carnegie Training
- Covey Time Management
- Conflict Resolution

## RMC Project

- Tips and Tricks for Project Managers
- Project Management Professional Prep

## Accenture

- Method 1 Software Development Methodology

## PowerSoft

- Fast Track to PowerBuilder

## ArcCAD ArcGIS

- ArcView GIS

## Industry Involvement

### Directorship

- Treasurer, Jasig Board of Directors (since 2010)

### Certification

- PMP, Project Management Prof. (since 2004)

### Membership

- PMI - Project Management Inst. (since 2001)

### Conferences

- Jasig (2004 - 2011)
- Pink Elephant ITIL (2009)
- Kualu Days (2009 - 2010)
- Project Management Inst. (2006)
- EDUCAUSE (2005)
- CIC Tech Forum (2005 - 2007)
- Serena Users (2000)
- Merant Users (1999)