

Joseph Kelly, Software Engineer - Databases

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Profile: Full stack software/database engineer experienced with the development, maintenance and optimization of web-based n-tier SOA/SAAS solutions in multiple verticals and platforms

Proficiencies: T-SQL, JavaScript

Supporting Technologies: Too many to list; would just read like alphabet soup

Meanderer, February 2014 – May 2015

- Travelling, volunteer work, independent study

Web Application Programmer, University of California Medical Center, San Francisco, CA, April 2010 – January 2014 (Financial Services – Internal application and database development, ETL)

- Design and creation of numerous ETL systems which consolidated a myriad of previous implementations, increased accuracy and repeatability, resulting in the savings of 100's of hours of employee time along with immediate error notification and resolution
- Creation of hybrid single page application (SPA) for resource allocation allowing for traceability and management of organizational staffing requests
- Integration of financial systems - creation of technique for organizational hierarchal and user management synchronization saving 100's of hours of employee time
- Maintenance and creation of university web based portal for financial reporting allowing rapid delivery of financial information to 1000+ customers
- Reverse engineering and customization of numerous custom and off-the-shelf financial management systems extending the life of existing products and enabling the transition to new software systems

Independent Contractor, San Francisco, CA, 2009 – Present (Small Business Growth – External application development) _

- Database design, administration and optimization
- Website design, creation, delivery, maintenance and administration
- Home networking and computer repair

Software Support Engineer, McCann Erickson, San Francisco, CA, July 2007 to February 2009 (Marketing and Advertising – Internal application development)

- Primary:
 - o Enterprise solution architecture design & review
 - o Infrastructure support, data analysis and systems optimization
 - o 3rd party vendor coordination, integration and product validation
 - o Leading software solutions from “Proof of Concept” to production release
- Reverse engineering and enhancement of externally facing, n-tier, enterprise application for account and security management of over 30,000 users across a global network with multiple forests and domains, allowing for enhanced credential management and lessening support time by 100's of hours
- SQL Server Optimization: Query optimizations improving performance more than 10x

- MOSS/SQL Server/Infrastructure: Identification and remediation of errant configurations leading to 5x increase for file IO across internationally distributed networks
- Internal tool creation: screen scrapers for process automation; custom application for preloading compiled and cached sites resulting in faster user experiences

Software Applications Engineer, United BioSource Corporation, San Francisco, CA, October 2006 - July 2007
(Bio-Pharma Industry, Clinical Trials - External application development)

- Design and creation of 3-tier ASP.Net web portal for project and resource scheduling resulting in improved resource allocation
- Increased performance of customer-facing, data-driven, FDA compliant websites for pharmaceutical trials by more than 20x (database and page optimization) while reducing code volume by more than 50% (object reuse & library creation)

Senior Data Processing / Programmer Analyst, County of Santa Cruz, Human Resources Agency, Santa Cruz, CA, February 2006 - October 2006 (Public Service Agency - External and internal application development)

- Design, creation and delivery of custom web-based accounting application that replaced an antiquated multiple spreadsheet system that allowed for secure access, process automation, auditing and multiple systems integration
- Database and version control management and administration (Perforce)
- Creation, automation and customization of data integration packages (SSIS)
- Application refactoring, peer instruction and mentoring

Independent Contractor, Santa Cruz, CA, October 2005 to February 2006 (Manufacturing application creation)

- Design, creation and development of 3-Tier database application for data extraction, analysis, manipulation and reporting including full cycle data feeds incorporating Sage MAS 200 (ERP and CRM), Excel and other file system data stores

Senior Software Engineer, Kronos, Inc., Portland, OR, February 2000 to July 2005 (Workplace talent management solutions)

- Design and creation of software bridge for next generation product allowing maximum reuse of components and shared functionality, substantially reducing time for new product delivery
- Design and implementation of highly scalable .Net based image generation engine capable of rendering 1000's of customized PDF forms per minute
- Design and implementation of CRM add-on allowing for configurable 1 to N data storage resulting in lowest possible cost support of customizations for client solutions
- Creation of web-based internal tools for process automation and production support as well as managing software deployment and version control of 12,000+ offline devices

Education:

- B.S., Computer Science, Hawaii Pacific University, Honolulu, HI (1999)
- Multiple online courses including Linux, database / big data development (Riak, HBase, Hadoop), and web development