

# James W. Smith (Jamie)

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## EDUCATION

**Bachelor's Degree - Computer Science, University of Missouri-Columbia (1998)**

**Bachelor's Degree - Psychology, University of Missouri-Columbia (1992)**

## PROFILE

**Owner of Consulting Business (KCITGuy)**

**Web Developer**

**Personal Desktop/Laptop/Server construction/repair/upgrades**

**Creation of in-home backup solutions**

**Software and Network Support**

**Technical Instructor**

- Proficient in a multitude of programming languages.
- 20+years of experience with relational database concepts, structures, architecture, tuning.
- 20+years of experience with internet/intranet architecture, design and concepts.
- 20+years of experience with computer hardware.
- 20+years of experience with technical support and computer instruction.

## DESIRED POSITION

Having worked with software and hardware for most of my life and having it as a hobby as well, I am constantly learning. I have extensive experience with most computer languages and hardware. I desire to help small to medium sized companies and individuals with all of their IT needs. I wish to be challenged.

## STRONGEST SKILLS

- With my business, I have been fixing/building all types of computers and writing websites mainly.
- Unix/Linux including, but not limited to: Red Hat/Fedora, CENTOS, Debian, and SUSE.
- Requirements gathering from Sales team/Customer to be used to create or improve products.
- Website creation. LAMP mainly.
- Windows (all versions)/Apple (most versions)/Linux (most versions)
- Personal computer and server building from scratch and repair of personal computers and servers.

I am a consultant that can research and buy computer parts and physically build the server. Then, install an operating system like Linux and tweak it to run a software or hardware RAID and install/setup a multitude of software servers on that new physical server like Apache, SMTP, IMAP, POP, MySQL, Oracle, SAMBA, etc. Network the new server, then write the software to add to those servers. Finally, publish that new software for the client to use and/or to the internet.

## QUALIFICATIONS/SKILLS SUMMARY

**\*With the exception of LAMP, Operating Systems, Web development and computer/server/network building and repair, it has been several years since I worked with the other skills, but with experience with them, I can refamiliarize with the skills as needed.**

### **Computer Programming Languages that I am familiar with**

HTML/DHTML, SQL, PL/SQL, PHP, Unix/Linux Shell Scripts (csh, ksh, bash, sh), JAVA(J2EE - including networking, beans and Swing), CSS, PHP, JQuery, ASP(VBScript), XML/XSL, T-SQL, C, JavaScript, SQR, CGI (PERL,C), BASIC, Oracle Forms, Xerox Forms, Assembler (Motorola 68hc11). Additional languages and details below.

### **Databases**

Oracle 7.3-12, Oracle XE, LDAP, ACCESS, MySQL, SQL Server 6.5-2012, FoxPro, R:BASE, ODBC.

### **Operating Systems**

Microsoft (DOS, Windows desktop and server), UNIX (SGI, HP, DEC, Solaris), Linux (Red Hat, SUSE, Debian, Ubuntu, CENTOS, etc), Apple (OS 8, 9, 10, 11).

### **Development Applications/Frameworks**

TOAD, SQL Navigator, SQL Developer, NavCat, Oracle APEX, Oracle Enterprise Manager, SQL\*Plus, SQL\*Loader, OC4J/BC4J, Oracle UIX, Oracle IFS, Oracle Portal, JDeveloper, Visual Studio, FrontPage, Apache, Tomcat-Jakarta, VI (VIM), Eclipse, Photoshop, MySQL Workbench.

## RELATED WORK EXPERIENCE

**December 2006-Present KC IT Guy (Kansas City Area) <https://kcitguy.com>**

### **Principal Consultant**

- HTML/CSS/JavaScript/JQuery
- PHP, MySQL, Linux, LAMP, PL/SQL, Database Architecture, Performance Tuning
- SEO
- Photoshop
- My Own websites (<https://noisybrats.com>, <https://kcitguy.com>, etc.) which I have very little time to work on.
- Building/Repairing/upgrading desktop computers
- Repairing/upgrading laptop computers
- Setting up, tweaking and repairing networks (wired and wireless)

Most of responsibilities revolved around smaller projects for large and small companies.

- **Major Projects** (but not limited to)
  - AMC Theatres Modified an attempt by other consultants to write procedure to integrate Oracle Human Resources with Microsoft Active Directory. Actually, scrapped a 4000+ series of packages that did not work and wrote a <100-line procedure that was commented line for line and it worked perfectly.
  - Lift Truck Sales and Service. (<https://www.lifttrucksalesinc.com>) Wrote a database driven, LAMP based website with SEO. Backend written involving transactional functions to update site live. Work as webmaster and their one IT employee for internal problems.
  - Infiniti of Kansas City Work as their one internal IT employee. Fix networking issues. Serve as liaison between corporate IT and dealership. Advise on technology-based purchases and additions.
  - Personal Work: For myself, I created 2 rack-mounted Linux servers and 1 Windows-based server. For the first server (CentOS Linux named 'SAM') I set up a RAID-5 array of 5x 8TB drives It is used as a file server and also runs a DLNA server for my home to view movies, tv shows, pictures and music on nearly any device on internal network (wired and wireless). The second server (CentOS Linux named 'FRODO') is a development server is set up RAID-5 with 4x 4TB drives and 1x 5TB drive. Neither Linux server uses their RAID array for Operating System/Swap area, they each have a dedicated system drive. The third server is Windows based (named 'GIMLI') and is connected to serve as playback with connections to

'SAM' as a multimedia server. It also serves as a backup server for my entire network. I have Linux machines, an Apple machines, Windows machines, iOS and Android devices all working together via SAMBA, DLNA, FTP, HTTP, UDP, SSH and other IP protocols. Currently, I have a little more than 135TB of HDD & SSD storage space running 24/7/365.

## **January 2007-January 2009 Penton Media. (Overland Park, KS)**

### ***Database Manager***

Designed, implemented and managed databases. This included all backend code used to import and serve the data to the front-end. These databases were used to serve customers data where paid access was required. The traffic was anything from a thousand to hundreds of thousands of transactional hits per month. My job responsibilities ranged from PL/SQL code, to query tuning, to design/architecture of data product, to database installation to managing people.

- **Major Projects** (but not limited to)
  - <https://www.equipmentwatch.com>.
  - <https://www.aircraftbluebook.com>.
  - <https://www.clymervalues.com>.
  - <https://www.autoredbook.com>.
  - <https://www.truckbluebook.com>.

## **April 2006-December 2006 Sprint-Nextel. (Overland Park, KS)**

### ***Apps Developer III*** (highest level development title)

RFISS development (new internal application to assist field engineers with cell towers by providing current settings and performance data). Position required development of Oracle PL/SQL with some use of JAVA and ASP. The data was inserted into the Sprint data warehouses storing tower data to later be analyzed for errors within individual towers. Within this position I mentored and lead other developers including, but not limited to, creating a set of coding standards, setting up documentation protocols, reviewed all code before it was released to production (only I could promote the code). I served as an individual with all the knowledge necessary to move the application from the existing prototype to an enterprise application.

## **May 2000-Feb 2006. Oracle Corporation. (Redwood Shores, CA)**

### ***Development Team Lead***

In this position, I managed a team of developers in the creation of applications that were either included in application suites released by Oracle Corporation or were used internally. These applications were transactional and rollback capable. The position of Project lead involved the management of employees, architecting applications, and mentoring junior members on the team. It included work on Oracle Applications 11i and other CRM products. Required intricate knowledge of Oracle and JAVA (J2EE) as well as a strong knowledge of Oracle installation environments (APPL\_TOP/ORACLE\_HOME) and Oracle development concepts.

- Software/database design/project management/team lead.
- Technical writing included flow/ERD/UML diagrams as well as requirements, and technical design docs. This required extensive use of Microsoft Project, Visio, Word, Excel, etc.
- Languages/Applications include: JAVA (J2EE), SQL, PL/SQL, JSP, OC4J, JavaScript, XML, XSL, Oracle 7.3-10.2, Oracle XE, Oracle Application Express, SQL\*Plus, SQL\*Loader, TOAD, SQLNavigator, SQL Developer.
- **Major Projects** (but not limited to)
  - AIT group. The projects within this group revolved around sales applications used internally by serving data from data warehouse of sales data.
  - OPN2OM: Managed the entire project. It was a bridge for data from Oracle Partner Network (OPN) network to Order Management (OM). It was written in SQL and PL/SQL. Process was connected to an Oracle Workflow to execute as needed.
  - MyCustomers. a very high exposure product. Managed the entire project. It serves as a dashboard of support contract information for Sales people as well as company executives. It contained denormalized summations of different aspects of the data from the

data warehouse of 50k employees. My design for the building of the data and its ability to remain available at all times regardless of necessary batch processes is used as a model for new projects within AIT. It was written in *Applications Express* with the backend in SQL and PL/SQL.

- Applications Research Team. I was selected for this elite team to produce proof of concept projects. From the work on this team, several applications were created and, if successful, turned over to outside groups to complete the coding and maintain the new product. Managed small projects with small number of developers.
  - The projects included the use of SQL, PL/SQL, and the production of Acrobat documents from data, SVG, JAVA, JSP, XML, XSL, and more.
  - I was involved, at some level, with each of the projects while being solely responsible for my own projects as well.
- SQL Content Management. This version was written within the database as a set of PL/SQL APIs. Used JAVA (J2EE), OC4J and JSP for the front-end GUI which was used for administration purposes for outside applications. Design was based on knowledge from previous project in 2000.
  - Designed and wrote the fundamental portions of the application including all of the database structure. These APIs are still present in code sold to customers.
  - This application was used as the database basis for several other applications. By using this set of APIs, these other applications could be created much faster and cleaner due to a shared storage area.
- Knowledge Management. Came onto project to help tune and streamline the application that was already a released product. Written in JSP, JAVA, SQL, PL/SQL using the Oracle standard file structure and processes.
  - Maintained and tuned application/database.
- JAVA Content Management. Designed and created an API to store object data in an Oracle database. Written in JAVA utilizing Oracle IFS to create content objects and content items.
  - Developed a JAVA caching system to speed up the transference of data to the web front-end.
  - Designed set of JAVA Objects to contain data without restriction of size or type.
  - Utilized Oracle IFS which was not yet a release product. Involved in meetings with IFS designers/developers to help improve IFS.

## **Aug 1998-May 2001. MLLC. (Columbia, MO/Remote-Virtual)**

### ***Principal Consultant***

Middle Level Leadership Center. Position was as a consultant on a long-term project for University of Missouri School of Education. The employment lasted the entire project lifecycle. Managed, designed, created entire project.

- Created national online survey to update a previously published survey (Leadership in Middle Level Education, A National Survey of Middle Level Leaders and Schools, Valentine, Clark, Irvin, Keefe & Melton, NASSP 1993).
- Evaluated possible implementation scenarios and created internet site for the nationally funded organization.
- Made all technical decisions regarding for this site, including hardware, software and design.
- Pioneered internet education research surveys.
- Results published in 2001 followed by a national conference speaking tour.
- Microsoft IIS/2000 server administration. (ASP/VBScript, JavaScript, HTML, SQL, Frontpage98, SQL Server)
- SQL Server DBA

## **May 1999-May 2000, Global Image. (Columbia, MO)**

### ***Applications Engineer/Consultant***

Position was as a Microsoft Solutions Provider. Designed and developed web applications for multiple clients. Most projects geared towards internet commerce. All projects based upon Microsoft applications.

- **Major Projects** (but not limited to)
  - Medical Information Company: Developed website to handle customer purchase of physical products and online subscriptions. Site handled user registration using LDAP to allow data mining at a later date. Site was written in ASP, XML, XSL, HTML, SQL, and T-SQL (SQL Server 7-2000). The pages are mixed between dynamic pages and published pages (for non-changing content). Some of the features of the site are: real-time credit card verification and corporate subscriptions to products validated by IP and encryption process.
  - Large Indiana University Alumni Relations Center: Developed web area to allow alumni to sign up for campus events or donate money to their choice of University Funds. Site was written in ASP, JavaScript, HTML, SQL, and T-SQL (SQL Server 7). Some of the features include credit card verification and integration with Microsoft Commerce Server.
  - University of Missouri Bookstore: Developed website to allow them to sell products via the internet. Site written in ASP, JavaScript, HTML, SQL, and T-SQL (SQL Server 6.5). Site includes an intricate database structure that protects itself from data integrity issues with an array of triggers, stored procedures, and dynamic temp tables. It also required the linking of data from AS400 system.
  - Miscellaneous Smaller Projects: Includes a database system (SQL Server 6.5) to store and disseminate animal breeding information and a Large California University Alumni Relations area to facilitate an Alumni Mentoring program.

**June 1996-May 1999, Missouri Employers Mutual Ins. (Columbia, MO)**  
***Applications Engineer/Consultant***

Position was the technical support/developer/consultant for a small insurance company.

- Technical support for a company of approximately 250 people, supporting a multitude of hardware and software.
- Novell network and NT/Exchange Server administration.
- Corporate Trainer for Frontpage98, internet/intranet, Word 7.0, Exchange Client, Schedule Plus.
- Created interactive calendar and scheduling forms for the internal company training courses.
- Created web applications for internal promotions and company announcements.
- Served as an instructor for multiple different courses.
- ASP/VBScript, JavaScript, HTML, SQL, PERL, Frontpage98, Access, Oracle 7.3, Oracle Forms, DEC UNIX shell scripting, PL/SQL, SQR, Xerox Forms Language.