

Darren Gilroy - Software Engineer

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SUMMARY

I am a senior software engineer with ten years of experience who specializes in Java and database applications. Talented and conscientious, I excel in problem solving and mentoring. Experienced working on small teams, I can fill multiple roles and manage conflicting deadlines. As a seasoned application designer, with a particular focus on multithreading, queues, and distributed systems, coupled with an expert understanding of high performance database schema design, I will be a valued asset on any team.

SKILLS

Programming

- **Java** – expert: including J2EE, inversion of control, servlets, unit testing, multithreading, memory and performance characteristics, and application design
- **Perl** – proficient: including regular expressions, Perl objects, file manipulation, forking
- **UNIX Shell** – skilled: including process control, shell programming, network communication
- **XML, XSLT** – expert: including keys, grouping, functions, processor extensions, multithreaded execution and high-volume serialization strategies.
- **SQL** – expert: including correlated sub-queries, partitioning, join types, materialized views, query strategies, hierarchical queries, grouping and analytics.
- **PL/SQL** – proficient: including cursors, bulk operations, jobbing, PL/SQL and user-defined types, PL/SQL collections, packages, table and view triggers
- **T-SQL** – competent: including differences with PL/SQL

Databases

- **Oracle 8i, 9i, 10g** – expert: including database design, concurrency concerns, administration, backup and recovery, oracle processes, standby databases, sql*plus, SQL*Developer, schema object types, materialized views, index strategies and optimizer behavior
- **SQL Server** – competent: including enterprise manager, backups and replication

Operating system

- **UNIX** (Solaris, Linux, HP/UX) – proficient: including process and job control, package management, shell programming, file system layout, software RAID
- **Windows** – competent: including installation and updates, cygwin

Application Software

- **Eclipse** – proficient: this is my main IDE for java development.
- **Apache** – expert: including forward and reverse proxies, URL rewrite, authentication, virtual hosts

- **Tomcat** – skilled: including virtual hosting, hot deployment, lifecycle hooks, and session replication
- **JBoss** – skilled: including clustering, clustered cache, cluster notifications, service lifecycle, and class path issues

PROFESSIONAL EXPERIENCE

Fujitsu America

May 2002 - Present

Systems Architect/Software Engineer

Designed and implemented software for global website consolidation across all Fujitsu countries and business-units to www.fujitsu.com. I am responsible for overall architecture the application, including software selection, functional specifications, schedule, implementation plan and final delivery. Led multiple iterations of the project, implemented code review and coding standards, established unit testing and component development. Planned and managed successful transition to JBoss clustered application server.

Technologies I used directly: Java J2EE, JMS, JAXP, Servlets, Tapestry (similar to JSF), Hivemind (similar to Spring), Annotations, JavaMail, XML, XML Schema, XSLT, Saxon (with custom extensions), Oracle 9i and 10g schema design, index design, views, queries, stored procedures, triggers, Oracle PL/SQL, Solaris, Linux, Unix shell, Apache, Tomcat and of course Perl.

The software supports webmasters in over 35 countries and languages, including Portuguese, French, Thai, Vietnamese, Chinese, and of course Japanese. I have a deep understanding of internationalization and localization, global communication and large-scale deployments.

Consonus, Inc.

July 1996 - April 2002

Sr. Application/Database Developer

Lead developer at Consonus for six years, developed Internet e-commerce applications. Selected and implementing packaged applications, designed and built custom applications; and managed and supported our customer's custom applications. This unique, broad-based experience helps me understand the entire business picture.

Technologies I used directly: SQL Server, T-SQL schema design, stored procedures and triggers, Oracle 8i schema design, PL/SQL stored procedures and triggers, Java SE, Servlets, JSP, Cold Fusion, Solaris and Linux shell, Apache, Tomcat and Perl.

As a project leader, I coordinated developer work and provided technical leadership. Responsible for all aspects of application design, yet I still wrote significant portions of the code base myself. The underlying database code survived and grew through many diverse projects and was maintained in both SQL Server and Oracle.