

**David Tate** | davidmtate@gmail.com | davidtate.org/blog

Hard-working sharp developer with a broad range of skills. Technical focus on database technologies and root cause analysis for high level support issues. Intuitive manager with experience building teams in growing companies. Easy to work with due to realistic but positive outlook, strong communication skills, and unrelenting creativity.

## **PRIMARY SKILLS**

ASP.NET, C#, SQL Server (performance tuning, infrastructure configuration, internals, monitoring), ColdFusion, Perl, Web service development, XML, CSS, HTML, Javascript

## **OTHER SKILLS**

PHP, MySQL, Linux, C, C++, Tcl/Tk, Crystal Reports, WISE InstallBuilder, bash, Genetic programming, SQL Server Business Intelligence, Analysis Services, Integration Services

## **EXPERIENCE**

### **Senior Software Developer**

then **Technical Team Lead**

then **Director of Production Control**

then **Senior Architect / Application Database Administrator**

now **Director of Product Development, Retail Energy**

ista North America ([ista-na.com](http://ista-na.com))

6/2005 - present

- Made product changes to support growth of web-based utility billing software
- Managed team responsible for monthly releases to core application
- Created team responsible for stability and production support of software infrastructure
- Served as application database administrator for performance and scalability of production database environment as the customer base grew from 80K to 900K accounts
- Served as architect for invoicing and pricing product module, laying out architectural vision, supporting and designing new functionality, and communicating with clients to detail their requirements
- Lead development and project management staff in scoping, designing, and delivering changes to core platform as requested by diverse client base.
- Lead a team of 23 developers driving the core platform for Retail Energy towards continued growth

## **Owner, Blue Oak Consulting**

11/2004 - present

- Implemented a mobile application used for remote two-factor authentication (C, BREW framework) ([wikidsystems.com](http://wikidsystems.com))
- Developed *g.r.o.w* a generic toolset for research use in genetic algorithm problem space analysis (C#, LINQ)
- Modernized the supply chain for a small home flooring firm through improved vendor management
- Consulted as a data architect on a major rewrite of a commercial web-based work order system for small municipal utility firms (SQL Server, Analysis Services, MDX, OLAP)
- Built large scale database design for meter tracking for AMR (automated meter reading) metering consulting service (SQL Server, VLDB)
- Worked with various clients on database application performance and database best practices (SQL Server 2005 and 2008, MySQL)

## **Consultant**

UPS, Inc. Atlanta, GA

1/2005 – 8/2005

- Maintained and improved enterprise software to track insurance claims (C#, SQL Server, Oracle, OLAP, MDX)
- Designed and built ETL processes to optimize information sharing (C#, Oracle, SQL Server DTS)
- Built a cash-flow tracking tool from the ground up (ColdFusion, SQL Server, C#)
- Worked with business experts to develop ways to optimize departmental processes

## **System Engineer then Senior Consultant**

Information Intellect, Inc, Atlanta, GA

4/2003 – 1/2005

- Developed and maintained web-based enterprise software for utility companies (C#, ASP.NET, MSMQ, XML Schema, Oracle, ASP, VB, SQL Server, JavaScript, XHTML)
- Served as team lead responsible for quality and day-to-day decision-making for company's web-based inventory and work order products
- Designed a distributed database replication system that is database-neutral (C#, MSMQ, ASP.NET)
- Consulted with clients to gather requirements and test software
- Refactored existing code for consistency, extensibility, and clarity
- Designed and coded conversion programs to load legacy data into web-based system (SQL Server, Integration Services, OLAP, Oracle)

## **Software Engineer**

Avtec, Inc, Columbia, SC

6/2002 - 4/2003

- Implemented and maintained software used by police, airlines, EMS, and the military. (C, C++, MFC, C#, VB.NET, VB, VxWorks)
- Developed embedded software for audio dispatching system used by major airlines. (C)
- Designed and implemented installation and packaging for company's flagship product. (C++, WISE, SQL)
- Organized and focused testing of new company product with achieved goal of 3 9's reliability (99.999)

## **Web Developer**

Finance Department, University of Georgia

5/2000 - 12/2001

- Solely responsible for all aspects of web development for the largest department on campus. (Perl, PHP, CSS, XHTML, Javascript)
- Developed an application that monitored usage of the site and allowed the department to adapt the content based on who was using it. (Perl, PHP)
- Implemented an online testing system that tracked and statistically analyzed user responses. (PHP, MySQL)
- Developed a simple handheld-friendly version of the site. (WML, CSS, HTML 4.0)

## **Software Engineer Intern**

NCR, Duluth, GA

5/2001 - 9/2001

5/2000 - 9/2000

- Implemented test programs for retail hardware. (C)
- Designed and implemented an engineering request tracking system that allowed the department to track vendors. Replaced a paper-based system and included mining data from legacy database. (Perl, Oracle)
- Created a web-based system that allowed clients to submit requests via the web and track their progress. (Perl, SQL Server)
- Built an accompanying website for the department that included a custom-made search engine. (Perl, MySQL)

## **Web Designer**

School of Social Work, University of Georgia

5/1999 - 5/2000

- Used ColdFusion, Perl, DHTML, JavaScript, and SQL to implement web applications that tied into existing Access databases, then later migrated up to SQL Server.

## **PROJECTS**

Code examples available from [davidtate.org/work](http://davidtate.org/work)

## **EDUCATION**

Bachelor of Science, Computer Science

Minor in Spanish

University of Georgia, 2001

Graduated Summa Cum Laude, with Honors

Phi Beta Kappa, Phi Kappa Phi

**GPA 4.0/4.0**