

TECHNOLOGY CONSULTANT, SOLUTION ARCHITECT, IT MANAGEMENT

Forward-thinking leader with exceptional dedication to embracing and leveraging cutting-edge technologies to drive process improvements and secure systems. Skilled at translating client requirements into effective business solutions.

SELECTED CONTRIBUTIONS

Developed and maintained the highly-integrated User Management Application capable of automating numerous processes to **insure compliance with Texas Educational IT Security and Protection laws and audits, provide a higher level of consistency in network services to the end-user, and significantly reduce support overhead.** The solution was requested for presentation at the national Educause Conference.

Led the defense-in-depth strategy, employing network security with firewalls, network authentication and authorization, application isolation, authorization and encryption, group policy, advanced anti-spyware and anti-virus management, conservative email filters, machine-hardening, and user training to **create a useable least-privilege security environment ensuring no virus outbreaks, internal compromise, or social engineering attacks on the network.**

Key contributor to resolving programming turnaround of the multi-million dollar Concorde design verification project for a global computing company. Consulted with designers in the Richardson Verification Lab (RVL) to identify and resolve design flaws. Developed a bug-tracking system to expedite the discovery-to-resolution time of hardware design bugs, authored Perl scripts to automate hardware simulations of 64-way Unix servers. **Earned yearly RVL Star Award for outstanding achievement.**

Eliminated the mountain of paperwork required to conduct combustion turbine engines quality checks. Leveraged technology to create a paperless solution that **eliminated costly manual measurement entry and lost papers, increased accuracy, and improved data collection and warehousing.**

Pioneered the calendar service solution to allow **cross-organizational scheduling among incompatible calendaring applications,** facilitating more consistent and reliable scheduling and customized to each organization's needs.

PROFESSIONAL EXPERIENCE

BLOGTALKRADIO INC, College Station, Texas

Software Architect, Operations Support – 2007 to present time

Brought in as the technical lead for a newly-formed NY-based internet startup with operations troubles and product woes. Co-designed and developed their data platform which is now spread across several servers and applications. Redesigned the architecture and implemented the UI of the website, and gave technical oversight and worked with a team for the following two UI refreshes. Current solo projects include rolling out the mobile network platform which I designed and implemented as a "side interest" in learning how to adapt websites to mobile devices. I am also extending the data platform into an n-distributed architecture as BTR grows and its needs cannot be met by a traditional RDBS.

THE TEXAS A&M UNIVERSITY SYSTEM, College Station, Texas

Systems Analyst – Enterprise Systems Initiatives – 2005 to 2007

Software developer and liaison for the Communications and Financial Accounting groups. Handled the migration of a discordant & insecure 50,000 page group of websites with several departments and applications to a modern, common platform, rewriting the applications in ASP.NET C#. Developed apps used internally by employees across the 38,000 employee-wide system such as the Enterprise Data Warehouse, and external sites such as <http://tamus.edu>.

TEXAS A&M UNIVERSITY AT QATAR, Doha, Qatar

Lead Campus LAN Manager / Microcomputer Administrator – 2003 to 2005

Recruited to provide network services and computing resources to meet present and future needs for internal and external customers at this start-up University in Qatar. Accountable for uptime, reliability, maintenance, and performance of all Windows machines in the data center, offices, and labs to support faculty, staff, and students within a fully-integrated, role-based least-privilege security environment.

- Involved in setup of the supercomputing cluster, a billable resource for external organizations.
- Provided the infrastructure for a country-wide, 3-day training workshop on SMS 2003 for Microsoft attended by Qatar government ministries, and positioned TAMUQ to host future workshops.
- Created & implemented extensible network access software to facilitate automatic administrative housecleaning functions, prevent possible security compromise, protect confidential information, minimize system training and support, and routinely change passwords – all while providing users role-based access to network resources within their local and organizational authority.

ADDITIONAL RELEVANT EXPERIENCE

Telecom Programming & Consulting – PLATFORM EXPERTS, College Station, Texas 2002-2003

Application Designer – various projects such as the sellable Flight Reservations System 2002-2003

Graduate Assistant – TEXAS A&M UNIVERSITY, College Station, Texas – 2002

Research/Design Consultant – SIEMENS WESTINGHOUSE POWER COMPANY, Houston, Texas – 2002

Design Verification Engineer – HEWLETT PACKARD, Richardson, Texas – 2000–2001

Junior Engineer – PMJ AUTOMEC USA / TELLURIAN, Grand Prairie, Texas – 1998–2000

TECHNICAL KNOWLEDGE & EXPERTISE

Web Applications	Proficiencies in HTML, CSS, Javascript, AJAX UI, ASP.NET & C#, TSQL 4-tier development, caching, SOA, XML & business objects
Projects & Mgmt	Project management experience, masters level coursework and projects
Networking	Network architecture and protocols, firewall and gateway administration, wireless security, business information security experience and coursework
Other Languages	C/C++, Verilog, Perl, VB and JAVA experience or course work; some experience in Pascal, Fortran, and PHP
Database	Microsoft SQL 2005 & 2000, stored procedure & SSIS/DTS coding, data mining
O/S & Platforms	Microsoft systems/applications/domain administration, WMI, AD, GPO, Exchange. Some UNIX/Linux/HP-UX
Hardware Design	Digital Logic, Computer Architecture, Software Engineering, Electrical Circuits, Microprocessor Design, Digital Integrated Circuit Design coursework and experience – all during undergraduate jobs and also school.

EDUCATION & TRAINING

Master of Science in Management of Information Systems –2006

Bachelor of Science in Computer Engineering – 2002

Texas A&M University, College Station, Texas

Operations & Development Training: Sharepoint Administration ▪ Implementing and Managing Microsoft Exchange Server 2003 ▪ Planning, Implementing, and Maintaining a Microsoft Windows Server 2003 Active Directory Infrastructure ▪ Sun Solaris OS training, **Microsoft Certified Application Developer 2005**