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Objective

To architect, design and develop web-based applications and services; manage product development cycle, collaborate with project teams and clients, and utilize technology to enhance business processes and deliver value-added products and services to internal and external customers.

Professional Profile

- Solutions-oriented professional with 6 years of experience in IT industry in various capacity. Progressive experience in providing end-users and clients with information technology based solutions. Special focus on designing and developing web-based business applications, customization of existing software solutions (open source apps), customization of packaged products.
- Extensive experience in OOAD Techniques developing Use Cases, Activity Diagrams, Sequence Diagrams and Class Diagrams using UML tools.
- Extensive experience in developing enterprise level applications using appropriate tools and techniques (refer below).
- Experience in working with small project teams responsible for overall implementation of project(s) - from requirements-gathering to deployment and support.
- Experience of working directly with customers as member of pre-sales and sales team.
- Ability to identify critical components of business process(es) that can be automated/optimized to deliver enhanced business value.
- Use analytical methods to identify not-so-obvious business problems. Experience in using modeling tools to understand and articulate the business problem and define business logic.
- Ability to utilize knowledge of design patterns and principles of maintainable software product design to architect "future-proof" and "low TCO" software solutions.
- Utilize various software development and deployment tools to reduce development cycle time and increase overall productivity.
- Professional motto: *IT projects can always meet budgetary and time deadlines by following the golden rule of "divide and conquer".*

Technical Experience and Proficiency

Programming Languages

Server Side: J2EE platform-based (Servlet/JSP, JDBC, JNDI, JSTL), ASP.NET, SQL, PL-SQL

Scripting: Javascript, Flash Actionscript

Markup: HTML, XHTML, XML, CSS, XSLT, XPath, SMIL

Shell Programming: Bash

Developer Tools: Ant, Eclipse IDE, CVS

Misc: Struts, WebWork, Velocity, Spring, Hibernate, iBatis, Apache Axis based webservises (consumer and provider SOAP processors, WSDD/UDDI deployment, WSDL creation), JAXP, JDOM, Visual Paradigm UML tool, Design Patterns (GoF)

Server software (config/admin)

Web server: Apache 1.3.x & 2.0, IIS 4.0/5.0, iPlanet webserver, Webstar

Application server: Weblogic Application Server 8.1/7.x, Websphere Application Server 5.x/4.x, Apache Tomcat 5.x (Catalina), Resin, iPlanet Enterprise Server 4.x

Database server: Oracle 8i/9i Enterprise Server, MySQL Database Server 3.2x

Media server: RealServer 8, Darwin Streaming Server, Flash Communication Server MX

Others: iPlanet Directory Server 4.x, CVS server

Multimedia Tools

Graphics: Adobe Photoshop, Adobe Illustrator

Animation: Flash MX

Operating Systems

UNIX: IRIX 5.x, SunOS 5.x

LINUX: RedHat 6.x to 7.x, 8.0, Fedora

Windows: NT/2000/XP

Macintosh: Mac OS 9.x, Mac OS 10.1, 10.2 (BSD UNIX implementation)

Professional Experience

[Zyom Inc.](#), San Jose, California

Dec 2003 to present

Application/Infrastructure Architect: Zyom, a small start-up, requires its employees to go beyond defined roles and add value to the overall business strategy. Below I list, what I think, some are some of my greater contributions to the organization:

- Determined the general IT requirements of the company in accordance with business requirements. Drew up the hardware, software, and networking specifications.
- Installed, configured, and administered the following: Windows 2000 servers, Win XP clients with requisite development environment, Apache 2.x webserver, Apache Tomcat (Catalina) servlet container, Weblogic App Server, Oracle 8i/9i DB server, CVS server among other apps on Redhat 7.x (since upgraded to Fedora) development and production environment, SunOS 5.x on a couple of Ultra Sparc w/s with development tools, and assortment of other software tools. Ensured maximum uptime of the production environment.
- Directly involved in the design of the company's flagship product - a web-based, **enterprise-wide supply chain management system**. Extensively used UML tools for doing use case analysis, and laying out class diagrams, sequence diagrams, and activity diagrams. Also used UML for creating entity relationship diagrams that defined the database schema to be used in the application.
- Designed and developed two of the most critical modules of the main product using J2EE components. The modules are basically Struts modules and include very critical business logic. Used iBatis **SqlMaps** for data access and manipulation. Used the **OSCache** feature for declarative (within an XML configuration file) caching of data.
- Used **Velocity** as the templating engine for building the UI of the application.

- Webservice enabled a number of application modules using **Apache Axis**. These are not production releases and are still being tested.
- Wrote and deployed stored procedures (including functions) and triggers in Oracle used by the application.

[Center for Enhancement of Teaching \(CET\), San Francisco State University, California](#)
June 2000 to Aug 2003

Technical Support/Web Application Developer: My major contributions at CET were:

- Proposed the idea of in-house application development and took responsibility for architecture and overall development, testing and deployment of various departmental projects.
- Strongly advocated (and convinced major decision makers) the use of various Open Source systems, application softwares, and tools to meet the requirement for the in-house development, staging, and production environment.
- Convinced department head about the virtues of J2EE platform for developing web-based applications. Started initial development on Apache Tomcat and Resin web container and then moved to Websphere for overall J2EE development and deployment.
- Designed and developed an **online auction** application (for used text books) and a Faculty Workshop Registration and Reporting System. Both the applications were developed purely using servlets, JavaBeans, and JSPs. A third party package (**Freemarker**) was used for UI design and implementation along with JSP in some places. The business logic was encapsulated in stateless session EJBs. The data access layer was implemented using simple JDBC connection pooling.
- Later upgraded the application to an MVC framework using **Struts**. Drastically brought down the number of lines of code and generally made the applications more efficient and maintainable by adopting Struts. The business logic was transferred to stateless session EJBs and the data access part was made cleaner using Spring's **JDBCTemplate**.
- Carried out extensive testing of new **Blackboard** releases on our development system. CET was one of the beta testing sites. Provided a number of feedbacks to Blackboard as far as product enhancement is concerned.
- Administered the overall IT infrastructure at CET, which is one of the biggest departments at SF State University. The department included a good mix of Win NT/2000/XP clients, 5 Win 2000 servers, 25 Mac OS 9.x clients (later upgraded to OS X clients (Panther), 2 Mac OS X Darwin Streaming servers, 3 Redhat Linux servers and 80 Win clients (laptops and desktops). Additionally, also responsible for the administration of system and application software running on these boxes (refer above for the list of softwares).
- Implemented a special project at the College of Business for streaming live video sessions of some of the selected classes. Used Realserver (Producer) and Darwin Streaming server for the purpose of encoding and streaming live feeds on students website.

[Infoztech Software Ltd, New Delhi, India](#)
May 1999 to Aug 1999

Product Manager (e-commerce): Proposed the idea of coming out with a web-based version of company's flagship product (eBill). Subsequently, undertook the responsibility for architecting, designing and developing a Java applet based (AWT), web-enabled application. Other responsibilities included interaction with customer(s) to build BRD and subsequent interfacing with project team to build the technical specifications of the product; responsible for meeting staging deadlines for various prototypes during the product development stage.

Tata Elxsi (I) Ltd, Calcutta, India

Feb 1995 to April 1999

Account Manager: Directly involved in pre-sales and sales effort to major customers in the region and consistently met sales target. Added five new customers during a span of five months. Undertook planning of all marketing and promotional efforts targeted to specific vertical segments. Other responsibilities included projecting quarterly targets in tandem with the sales team; determining product portfolio and, accordingly, projecting inventories on a quarterly basis. Responsibilities also included managing regional channel partners and dealers.

Senior Marketing Executive: This role required meeting sales target in the CAD/CAM vertical segment. Was directly responsible for record sales to major manufacturing companies and Educational and Research Institutes in Eastern India. Generated a number of new customer and for two continuous years (1996-97) consistently exceeded sales target. Other responsibilities included canvassing potential customers, providing customers with proposals of integrated solutions, address any implementation issues, and legacy data issues.

CAD/CAM Specialist: Responsible for demonstration of CAD solutions based on SGI workstations and SDRC CAD package. Responsibilities included the set up and installation of SGI/NEC UNIX workstations and/or servers along with the SDRC package at customer premises. Responsibilities included negotiating the service contract with customers, any integration issues with legacy systems or network integration.

Tinplate Company (India) Ltd, Jamshedpur, India

Aug 1994 to Feb 1995

Supervisor: Responsible for the production of the newly commissioned Cold Rolling Mill. Responsibility included mechanical maintenance of the Rolling Mill, production scheduling.

Educational Qualification

Master of Science in Business Administration (MSBA), San Francisco State University, 2004. Major: **Information Systems** (CGPA - 3.62).

Bachelor of Engineering (B.E), Birla Institute of Technology (BIT), India 1994. Major: **Mechanical Engineering** (CGPA - 3.23).

References

Provided upon request.