

Sanjaya Kumar Patel

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Summary

Sanjay has comprehensive knowledge and experience in conceptualizing, architecting, developing and managing enterprise ready products and applications using numerous technologies and platforms. For the past four years, as the Product Manager, Technical Architect and Co-founder of RAD Solutions Private Limited, he is leading the development of multiple web enabled scalable n-tier products on open source enterprise frameworks such as Spring, Hibernate, SQLAlchemy on Java and Python using agile project management methodologies. He has deep knowledge and experience in product conceptualization, requirements management, analysis, architecting, environment setup, normalized / denormalized / distributed database design, query optimization, scaling, agile project management, estimation, planning, etc. needed for large mission critical enterprise products and applications.

Sanjay has sound leadership, managerial, interpersonal and communication skills.

Experience

Product Manager and Technical Architect - RAD Solutions Private Limited

June 2006 onwards

- Setting product vision and scope
- Choosing and implementing key technologies for development and deployment
- Project estimation and planning
- Architecting, designing and delivering products and applications
- Team setup and leadership
- Agile project management

Project Leader – Cambridge Solutions

August 2004 – June 2006

- Choosing key technologies and products for strategic practice
- Technical Architect
- Leading the core team of Emerging Technology Practice
- Managing high-risk and uncertain projects using agile methodologies

Team Leader – L & T Cement (Now Birla UltraTech)

March 2003 – August 2004

- Choosing key technologies and products for development and deployment
- Technical Architect & Project Manager - designing and delivering enterprise applications
- Leading in-house application development
- Monitoring the infrastructure team
- Initiating and co-ordinating SAP and BI implementation

Earlier Work

December 2002 – March 2003 : SAP Core team member – L & T Cement, India

December 1995 – December 2002 : Senior Systems Engineer - L & T Jharsuguda Cement Works, India

August 1993 – December 1995 : Freelance Developer & Lecturer

Projects/Products

valueproducts.net

Value Products Network (VP) is an e-Commerce portal for online buying and selling of products, similar to eBay. However, the difference is that, VP uses multi level referral marketing to market its products. So, apart from the standard features like buyer / seller registration, product registration and maintenance, shopping cart, the features also include multi level commission computation and genealogy maintenance.

It is being developed using agile methodology on Spring 3, Hibernate, Java6, PostgreSQL, Maven, Tomcat, Eclipse, Subversion (SVN). Sanjay is the product manager, project manager and technical architect for this product.

gcollab.com

gcollab is a global collaboration platform for professionals on business. While portals like *Facebook* and *Orkut* help social collaboration, gcollab facilitates business collaboration. Presently gcollab is having *workflow* (also known as tmail), *CMS* and *forum* solutions.

More details on gcollab can be found at <http://www.gcollab.com>.

The product was made using Python frameworks such as TurboGears and SQLAlchemy and is now being made using Spring 3 and Hibernate. PostgreSQL is chosen as the database. The development environment includes Eclipse, SVN, Trac on Linux and uses a customized agile methodology. Sanjay is the product manager, project manager and technical architect for this product.

LocalAds

LocalAds is an advertisement management system like Google AdWords or OpenAds. However, the uniqueness of LocalAds lies in targeting customers. Using LocalAds, advertisers can target localities, age group etc. This is highly useful for social applications hosted at Facebook, Orkut etc.

More details can be found at <http://www.gcollab.com/ads>.

The product was made using Python frameworks such as TurboGears2 and SQLAlchemy and is now being made using Spring 3 and Hibernate. PostgreSQL is chosen as the database. The development environment includes Eclipse, SVN, Trac on Linux and uses a customized agile methodology. Sanjay is the product manager, project manager and technical architect for this product.

Upcoming Courses and Events

UCE is a social application, currently launched on *Orkut* and soon going to be launched on *Facebook*. It enables students and interested participants to get instant updates on all upcoming courses and events of their interests in their localities, leveraging the social networking framework. Also, students can search the global database of courses and events and apply online.

The application is launched at <http://www.orkut.com/Application.aspx?appId=506678662964>.

The product was made using Python frameworks such as TurboGears2 and SQLAlchemy and is now being made using Spring 3 and Hibernate. PostgreSQL is chosen as the database. The development environment includes Eclipse, SVN, Trac on Linux and uses a customized agile methodology. Sanjay is the product manager, project manager and technical architect for this product.

ContactGrabber

ContactGrabber is meant for grabbing contacts from gmail, rediff, yahoo. It basically helps implementing "recommend to your friends" feature in python web applications. The opensource project is hosted at <http://code.google.com/p/pycontactgrabber/> and available in Cheese Shop at <http://pypi.python.org/pypi/ContactGrabber/0.1>.

Resource Booking System

RBS is a web based system for automation of the booking of resources such as guest houses, conference halls or vehicles in an organization. RBS helps users to check the availability of the resource and request for booking online. Features such as flexible approval work flow and responsibility delegation make it really unique and enterprise ready.

The product was made using Python frameworks such as TurboGears2 and SQLAlchemy and is now being made using Spring 3 and Hibernate. PostgreSQL is chosen as the database. The development environment includes Eclipse, SVN, Trac on Linux and uses a customized agile methodology. Sanjay is the product manager, project manager and technical architect for this product.

All the products described here are highly scalable and can handle high volume transactions and traffic.

Metastorm BPM suite

Metastorm BPM is a product suite for business process design, management and deployment. The product was having three major components, Engine for running the processes, GUI for designing the processes and DB for storing processes and data. It was developed on VC++, ASP.NET, Delphi, SQLServer, Oracle. The scope of the project was to convert the product to support Unicode, so that internationalization could be done. It was done while Sanjay was working for Cambridge Solutions. Sanjay's role was to look after the Engine, which was written on C++.

Various complex enterprise solutions

Sanjay has been actively involved in the design and development of various enterprise class solutions for a tier I manufacturing company in India, including the following:

- Sales & Distribution System (distributed architecture across the country)
- Materials Management System
- Financial Accounting System
- Payroll System
- Attendance Monitoring System
- Transporters Billing System
- Dispatch Module
- Waybridge Module
- SAP implementation

Most of these applications were high volume multi user, and many were using distributed database architecture.

A few usable hobby works by Sanjay in early days

- Text based GUI API using Turbo C++
- Text based GUI API using Turbo C
- DataGridPlus VB6 component (sold a few copies online)
- Carom Board and various other games using Turbo Pascal

Knowledge & Skills

- Wide spread knowledge and experience on numerous technologies, methodologies and paradigms starting from VAX-VMS COBOL/C till Spring 3
- Considerably worked on C++, Java, Spring 3, Hibernate, Struts 2.1, Python, .NET, Oracle, TurboGears, PostgreSQL, MySQL, Social Networking, OpenSocial, AJAX, jQuery, JavaScript, FoxPro, PowerBuilder, VAX/VMS COBOL, Maven, Tomcat, Linux etc. from an architect to a developer's role
- Deep knowledge and experience in product conceptualization, requirements management, analysis, system design, environment setup, normalized / denormalized / distributed database design, query optimization, scaling etc. needed for large mission critical scalable enterprise products and applications
- Very good at estimating, planning and managing projects using agile methodologies
- Sound leadership, managerial, interpersonal and communication skills

Education

- MCA from University College of Engineering, Osmania University, Hyderabad, India in 1993.
- B Sc (Physics) from Sambalpur University, Orissa, India in 1989.