

Nilakanta Mallick Application developer, Entrepreneur

I have been working at Activesphere as an Founder/Developer for more than a year now. Before that I workd at Thoughtworks for almost 8 years. My expertise includes development of large-scale distributed applications, the integration of disparate systems and scaling of applications using NoSQL databases. I am also involved in the Agile Community; consulting with companies on OO Design, patterns, testing techniques and development methodologies. I have worked on applications using Java/J2EE, .Net, Ruby environments.

Software Experience -

Activesphere Technologies (May '10 - Till Date)

Role: Founder/Developer

Client: Alternative Air Travel Startup (Dec'10 Onwards)

Working on two separate applications -

- A consumer facing airline and hotel reservation system using Ruby/Rails, MySQL and it integrates with few external web-services.
- A research application that was based on Rails and MySQL. I helped in resolving scaling and performance issue with this application. Also developed a prototype application to move the above application to BigCouch, but that did not meet the requirements. At present this application is being developed using Python for crawling, Ruby/Rails for frontend and Riak as the backend.

Client: [Box+Dice](#)

Worked on three separate applications -

- Used Ruby/Rails, Mysql and Postgres to develop a backend ERP system to cater to the various needs of various real estate agencies.
- Used Ruby/Rails to create multiple showcase web-sites for various clients.
- A Microsoft Outlook add-in that synchronizes the contacts/emails/tasks in the ERP system developed using .Net framework and REST interface using Rails.

Private project (Apr '08 – Sep'08) – yourhires.com

Role: Architect/developer/Entrepreneur

Co-founded this SAAS application to provide an easy and efficient solution to manage recruitent activities and candidates for a given company. It is based on Ruby, Rails.

ThoughtWorks Technologies India

Client: Global leader for Arts and Cultural technology, USA (Jan '10 – May '10)

Currently involved in architecting and developing a next generation solution to the existing product portfolio of the client. The solution involves creation of a RESTful api along with a web-client to perform management of the customers in the first phase. Technologies being used are C#, ExtJs, SqlServer.

Client: Leading cultural organization, USA (Dec '09 – Dec '09)

Role: Architect

As part of project inception I was involved in providing a solution to consolidate the look and feel as well as the management of 7 different web-sites under the consortium. The exercise resulted in building a roadmap and release plan for the next 9 months. Suggested frameworks include RadiantCMS, Ruby on Rails.

Client: Leading Retailer, USA (Nov '09 – Nov '09)

Role: Trainer

I was involved in conducting a Ruby/Rails training for newcomers to the project.

Client: Leading web hosting company, USA (Oct '08 – Oct '09)

Role: Tech-lead/Developer/Offsite co-ordinator

Developed REST applications for in order to automate different datacenter functions such as DNS management, Hardware management, Power management etc as part of a REST based SOA implementation. Also developed solutions for distributed transaction and messaging based caching for the resources. Developed using Ruby, Rails, RabbitMQ.

Client: Investment Banking Development center, Bangalore (Apr '08 – Apr '08)

Role: Trainer

I was involved in conducting a course on OOP principles and extreme programming practices.

Client: IIT, Chennai (Mar '08 – Apr '08)

Role: Trainer

I was involved in designing and conducting a course on agile development methodology at IIT, Chennai for professors from various colleges .

Client: Management consulting Firm, Europe and India (Feb '08 – Mar '08)

Role: Solution architect/Consultant

The client is [management consulting](#) firm that focuses on solving issues of concern to senior management in large corporations and organizations. I worked on the team to provide solution to their survey creation process and the integration with the third party tool used for that using *Java/Spring/Acegi/Oracle*.

Client: Major Rail Tickets Retailer, UK (Dec '07 – Jan '08)

Role: Solution architect/Consultant/Developer/Mentor

The client is an [online](#) and [telephone](#) service selling tickets for travel on [British train](#) services.

I worked on the team as the technical lead to re-architect the existing gateway for all of the exiting web services using *.Net WCF*.

Client: US Insurance Company (April '07 – Nov '07)

Role: Tech Lead/Developer/Mentor

The client offers group health, dental, life, long term disability, short term disability, and long term care insurance plans. The client choose an off-the-shelf product as part of their information systems transformation exercise, but there were some significant gaps in many areas for which ThoughtWorks provided custom solutions. I worked on the integration team as a Technical Lead with client and ThoughtWorks developers. Technologies involved were *Java, .Net, Ruby, Watir, Selenium, BizTalk, SQLServer, DB2, Websphere, Informatica, AS/400*.

Client: Major UK Insurance Product Company (March '06 – April '07)

Role: Solution architect/Tech Lead/Developer/Mentor

The client sells software products in insurance domain in UK market. ThoughtWorks is writing insurance product for the independent brokers. This product allows them to do conduct business with their customers and also manage their own finances. I was involved in building this product from the beginning of the development phase. I played the role of architecting and building the system. The project met several successful releases and was deployed at various client locations. Technologies involved are *.NET, C#, NHibernate, Web Services*.

Client: Large Retailer of Outdoor Goods, USA (September '05 - February '06)

Role: Tech Lead/Developer/Mentor

I was responsible for commencing this co-sourced intranet web application to allow the retailer to automate its assortment planning functions, which are currently manual and dependent on Excel worksheets. As part of a 20 member team I was responsible for initial requirements gathering and for bringing the Bangalore team up to speed quickly. The solution uses *Java/Webworks/Velocity/AJAX/PL&SQL* for development.

Client: Healthcare Information Provider, USA (November '04 - August '05)

Role: Solution architect/Tech Lead/Developer/Mentor

I was involved in implementing, using *C#/.Net*, this agile-enablement as well as co-sourced service-oriented application for providing clinical and cost detail information to manage healthcare costs and quality. The solution was designed to work with different data sources including *SQLServer, Oracle* database as well as Oracle Star Schema.

Client: Dixxons Stores Group, UK (August '03 - November '03)

Role: Developer/Mentor

I was involved in implementing, using *Java/J2EE/Swing*, the promotions module for the point of sales system of one of the largest retail chains of UK. The application consisted of a rich client for dealing with the day-to-day activities of the retail shops and for updating the stock in all the branches.

Client: Commercial Credit Corporation, USA (June '02 – August '03 and November '03 - November '04)

Role: Tech Lead/Developer/Mentor

I worked closely with the client to develop a rich distributed application to meet the needs of a broad segment of the equipment leasing industry using *Java/J2EE/Swing/XML/XSLT/Oracle*. The functions and capabilities of the application enable every customer to implement their own company specific workflow processes such as accounting procedures, billing, invoicing, payment processing, collections, quoting, lease management, asset management, document generation etc. He has participated in several different efforts during the life of the project.