Akshay Rawat

Applications Developer

I bring in more than 6 years of experience in the area of web application development, high performance computing and cloud computing. Having worked at ThoughtWorks in a wide variety of domains, with a wide set of technologies, I believe that Thought, the right tools and good development practices are the key to solving complex problems. I am strong proponent of XP and UCD practices. I am also the founder of Activesphere (www.activesphere.com).

Skills

- Programming Languages: Ruby, Java, Erlang, Objective C, ActionScript, JavaScript, SQL..
- Web development related frameworks: Ruby On Rails, Sinatra, JQuery, HAML, CASS, Blueprint CSS, Spring, Struts 2.
- · Thick client frameworks: Flex, Cocoa Touch, Swing.
- Cloud computing services: EC2, S3, SimpleDB, Heroku, EY Cloud.
- Other frameworks: Memcached, Juggernaut
- Testing frameworks: Cucumber, RSpec, Shoulda, FIT and other xUnit frameworks.
- Current interests: HTML5 specification, NoSQL/DHT implementations like CouchDB, Cassandra. Cloud computing services, GIT.

Work experience with former clients at ThoughtWorks

Leading Used Cars Vendor

I was involved in the development of a bidding system for trading used cars.

Challenges: Implementation of complex bidding rules. Scalability work to make the application meet very high traffic during peak load times.

Technologies: Ruby, Rails, EC2, S3, SimpleDB. Juggernaut, Memcached, Quicktime Streaming Server.

Leading Hotels Brand

I was involved in the development of a Standards Compliance application for a Hotel Brand to ensure its franchises worldwide complied with their published standards.

Challenges: Algorithms to rate hotel franchises worldwide. Processing of huge sets of data in a fixed time.

Technologies: Ruby, Rails, JQuery. Performance monitoring tools like NewRelic, Gomez.

Client: Agile US 09, WestCoastGreen, Forrester

I was involved in the development of a iPhone application which would allow companies to organize and facilitate conferences.

 $\textbf{Link -} \underline{\text{http://itunes.apple.com/us/app/west-coast-green-2009-conference/id331080253?mt=8} \\$

Technologies: Cocoa Touch, Google App Engine.

Client: Leading VOIP Company

I was involved in the development of a marketing and service-signup application for a popular VOIP service.

Challenges: Building the application with critical AB Testing parameters so that the marketing could effective optimize the signup process for the audience. Integration with a large variety of 3rd party services.

Technologies: Ruby, Rails, JQuery.

Client: Large Financial Services Institution

I was involved in building an application with social networking features like Facebook, which would enable a financial institution to effectively communicate with its alumni and customers.

Challenges: Evolving the user interface design with continuous feedback from users. Restful design.

Technologies: Ruby, Rails, HAML, JQuery.

Client: Financial Services Corporation

I was involved in the implementation of a business natural language for a bank, which would allow its authors to write, tweak and directly execute rules to calculate points earned by members, without any developer effort.

Challenges: Domain Specific Language design. Identification of language grammar to provide adequate flexibility to its users.

Technologies: Ruby.

Client: Leading Leasing Corporation

I was involved in the development of a large-scale system which involved complete leasing, loan life cycles.

Challenges: One of the largest J2EE codebases in the world. Extremely complicated business rules. Widely untested codebase.

Technologies: Java, Weblogic, Hibernate, Struts2

Client: Leading Bank

I was involved in the development of a international money transfer system for a bank.

Challenges: Writing a parser generator to parse SWIFT BIC payment messages.

Client: Multinational Investment Bank

I was involved as an Agile coach and in the development of a high volume time and expense reporting system.

Challenges: Data sharding techniques to maximize performance based on geo location.

Technologies: Java, Weblogic, Hibernate, Spring, JSPs