Rutvij Shah

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SKILLS

Programming Languages	: Java, Ruby, Rails (familiar), C (familiar)
Others	: Linux (Red Hat Certified Computer Engineer), Android (familiar)

WORK EXPERIENCE

FJA-US, Inc., New York   **July 2010 – Present**

Java Developer
- Actively involved in the full stack product development using Maven, Spring, Spring Web Flow, Hibernate, Java Server Faces, Facelets, Jersey, JQuery/Javascript and DB2.
- Developed 4 continuously integrated APIs delivered as EJB and REST web services.
- Integrated application with an internal history framework allowing saving, modifying and querying data in two time dimensions.
- Automated manual steps during DB migration decreasing time by 70%.
- Other responsibilities include development support contact for clients, on-boarding new employees, maintaining builds (Jenkins) and WebSphere deployment environments.

Stern School of Business, New York University   **May 2009 – May 2010**

Research Assistant
- Created a database comparable to the scale of IMDB with information for actors, actresses, movies, etc. by parsing data from various resources using Ruby & MySql.
- Performance tuned DB for expensive queries joining tables with millions of rows each, to fetch results in under 5 minutes.
- Optimized scripts and queries performing roughly 100,000 inserts in few hours to about 3-5 million rows in under 5 minutes

Bhaskaracharya Institute for Space Applications and Geo–Informatics (BISAG), India   **Jan 2008 – July 2008**

Intern - http://rutvijshah.com/projects/mobis.html
- Started project Mobile Information Services (Mobis) for Surat City with Government of Gujarat which provides web services and mobile apps such as tax collection, accessing government records for citizens and registering complaints.
- Led the project team of 3 and implemented the mobile client UI using J2ME.
- Project won **1st prize** at state level Microsoft Competition (2008) as well as nominated at Manthan Awards (South Asia's Best Practices) for e-Governance (2009).
- Used JAX-WS/SOA, J2ME & MySql.

EDUCATION

New York University, Courant Institute of Mathematical Sciences, New York, NY   **Aug 2008 - May 2010**
- Master of Science, Computer Science, GPA: 3.41
- Graduate Coursework: Open Source Programming, UNIX Tools, Advanced Database Systems, Web Development with Ruby on Rails, Computer Games.

Gujarat University, **Babaria Institute of Technology, Vadodara,** Gujarat, India   **June 2004 - July 2008**
- Bachelor of Engineering, Computer Engineering, GPA: 3.87

ACADEMIC PROJECTS

Omnidroid - http://rutvijshah.com/projects.html#omnidroid   **Summer 2009**
- Co-Developed an open source event/action automation manager for Android.
- Contributed to the redesign of the application to make it robust and usable enough to release in the android market.
- Designed the Actions framework for creating and triggering Actions. Implemented calling and texting actions.

Interactive Voice Response Studio (IVRS) - http://rutvijshah.com/projects/ivrs.html   **Spring 2007**
- Led a team of 4 and developed tools for creating customized IVR Systems and hosting them using a standard computer modem.
- Used Visual Basic & Microsoft Telephony API.

SaRu - http://rutvijshah.com/projects/saru.html   **Fall 2006**
- A customized discussion platform developed using ASP & Oracle for faculties and students to start groups, discussions, conduct tests, and make announcements in a way similar to social networks.
- Designed and implemented a hierarchical admin system, personal profiles, with extensive student statistics accessible by professors.
- Introduced features to promote healthy competition, transparency in tests, and collaboration among students.

Game Designs - http://rutvijshah.com/projects/games.html   **Fall 2009**
- Made 5 games to model different game genres using C# & XNA game studio.
- Developed rudimentary game engines for each game to simplify additional level designs.
- 2 games are a part of Games for Learning Initiative at New York University.