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Nishant Agrawal

Technical, Solution, and Data Science Architect

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A programmer and a leader having skills and experience in **data engineering,** analysis and design of **technical solutions**, and **pre-sales** consulting.

Having 11.5 years of experience in J2EE, of which 5 years has been in design and architecture roles.

Technical Skills

- *Languages*: Java, JavaScript, **Python**, **Pandas**, Numpy and PLSQL
- *Frameworks*: **Scikit-learn**, **Spring**, MVC / MVVM, JPA, Lucene / SOLR, OSGI, Akka, JAX-RS
- *DB / Servers*: **MongoDB**, Oracle, Postgres, MySQL, **JBoss**, Weblogic, Apache, Tomcat
- *Others*: JMS, **ActiveMQ**, Git, SVN, Docker / Vagrant, **Web Services**, Enterprise Architect, Visio.

   Domains: B2B, Insurance, Travel, Logistics, CRM, Asset Management

Recent Projects

Prediction for Student Intervention   *(Udacity, November 2015 – present)*
- Analyzed problem domain and selected data for modeling the solution.
- Pre-processed data and prepared analysis models for prediction.
- Tuned best prediction model for performance and accuracy to 87%.

B2B Logistics Portal Upgrade   *(Nagarro, October 2015 – December 2015)*
- Consult with a bulk shipping provider's IT Team on cargo shipping and tracking system.
- Analyze legacy code, and understand evolving business and technical needs.
- Propose technical / commercial plan for a flexible and easy-to-maintain system, that will reduce costs by 35%.

Crew Meals Management   *(Nagarro, September 2014 to November 2015)*
- Analyze existing system for management of Crew Meals.
- Consult with Business Admins and Technical teams to understand requirements.
- Design the new system / integration points and provides cost estimates.
- Work with development team during implementation and delivery.
- Tuned performance to handle a load of 20 Threads-per-second with a response of under-350 milli-secs.

Trade Automation   *(Sapient, September 2012 – August 2014)*
- Design framework for Automation of Fixed Income trades.
- Lead development team to deliver and tune automation parameters.
- Integrate with trading desks, and integrate with FX systems.

Work Experience

Nagarro India   *(September 2014 – present)*
- Work with development teams in proof-of-concepts, implementation, and delivery.

- Assist pre-sales team with technical solutions and estimations
- Code critical components, and do code and design reviews.

Work Experience (contd.)

Sapient Consulting   *(September 2012 – August 2014)*
- Provide technical leadership to Fixed Income platform development team comprising of 9 engineers.
- Contribute individually, review effort estimates, and prepare release schedule for various tracks.
- Improve performance and maintenance by application of better algorithms and data structures.
- Responsible for performance review and compensation distribution for development engineers.

Infogain India   *(October 2008 – August 2012)*
- Technical Architect for Enterprise Integration and offshore development lead for a team of 6 engineers.
- Managed two J2EE integration agile project cycles for Auto-Insurance IT provider.
- Responsible for scrum, design artifacts, development plan, estimation, performance tuning, resource allocation, reporting and hiring.

CoreObjects (Symphony)   *(October 2007 – September 2008)*
- Lead engineer for a team of 3 engineers.
- Responsible for technology selection, requirement analyses, design, development, and code review.
- Co-ordination with geographically dispersed teams for Zubican - a US-based startup.

CSC India   *(March 2006 – September 2007)*
- Development engineer on Infrastructure team responsible for development of reusable J2EE components.
- Delivered enterprise integration framework for healthcare product and highly concurrent system for healthcare product of DST Healthcare Solutions.

Infogain India   *(January 2004 – March 2006)*
- Developer for Imaging and Printing Group (Hewlett Packard) to provide integration solutions for CRM.
- Develop new J2EE distributed applications and port / refactoring / tune performance of existing applications.

Education

Udacity – Machine Learning Nano Degree (in-progress)

Coursera – Machine Learning - Stanford Univ. (July, 2015)

MongoDB Univ. – MongoDB for DBAs (September 2015)

Aligarh Muslim Univ. – Master of Computer Science and Applications (76%, July 2004)

Aligarh Muslim Univ. – Bachelor of Physics (Honors) (66%, July 2001)

Honors and Certifications

- Employee of the Month (Nagarro, 2015)
- Award for relationship building. (Sapient, 2013)
- Most Valuable Player, Mitchell International, US (Infogain, 2010)
- Best Employee at CoreObjects (2008), and Infogain (2004)
- LOMA 280 certified (2007)
- Scrum Alliance certifd certified Scrum Master (Scrum Alliance, Pete Deemer, 2011)