Ashutosh Raina

CV

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Education

Sep 2016–Present	**M.S.**, *Computer Science*, University Of California, Santa Cruz, .
2007–2011	**Bachelor Of Engineering**, *Computer Engineering*, University Of Mumbai, *First Class With Distinction*.

Professional Experience

Oct. 2014 – Sept. 2016   **Sr. Consultant**, THOUGHTWORKS TEHCNOLOGIES, Pune, India.

Major U.S. Airline Company : Mobile Ecommerce
- Worked on a multi-tenant micro services API using spring boot. Used purely functional transformations to convert SOAP xml responses into rest-ful JSON. Used hysterix for increasing fault-tolerance of the Api.
- Worked on integrating the services with the multi-tenant Android application (using product flavours), reducing crash rates and improving performance. Worked on the Windows Phone re-write of the application.
- Technical lead for implementing and improving the C.I. and C.D. systems for the entire mobile e-commerce platform.

Sept. 2012 – Sept. 2014   **Developer**, BARCLAYS TECHNOLOGY CENTER INDIA, Pune, India.

Bring Your Own Device enterprise mobility solutions
- Implemented server side API using Asp.net MVC, Sql Server. API powers the web, mobile and tablet version of the application.
- Used concepts of eventual consistency, circuit breakers, back-offs and retries to enable high availability.
- Increased resiliency of the application by implementing partial availability in case of transient failures.

July 2011 – Sept. 2012   **Business Technology Analyst**, DELOITTE CONSULTING PVT. LTD., Mumbai, India.

DataWarehouse and Business Intelligence
- Optimized and tuned ETL workloads with better indexing strategies to achieve better throughput and compress load times.
- Built KPI scorecards and dashboard solutions using OBIEE for Human Resource Decision Support system.
- Designed and Implemented an XSD to JSON Schema Converter to migrate from xml based wire transports to json.

Apr. 2010 – Jan. 2011   **IT Intern**, TEACH FOR INDIA, Mumbai, India.

Designed & developed Pariksha, an automated assessment generator.
- Designed a system to facilitate the automated generation of assessment tests for students using Asp.net and C#.
- The solution catered to about 150 fellows in order to assess around 1200+ children across 3 cities.

Undergraduate Project

Aug. 2010 Apr. 2011	**Advisor**, SUJATA KHEDKAR. **Semantic Yellow Pages** ○ SYP used ontologies (using OWL) for capturing yellow pages and provides a better search experience by combining the linked entity graph with the listings and user profile. ○ A new graph navigation based search result interface (Semantic Navigator) instead of the regular linear hyperlink interface. ○ Won the Tata Consultancy Services award for Project of the Year.

Talks

Errors	**Becoming Friends With Errors** *Great Indian Developer Summit*, Bangalore April - 2016.
DCOS	**Simple DevOps For Big Data** *Yottabyte : Thoughtworks Big Data Confrence*, Bangalore May - 2015.
ScriptCS	**Scripting in the C# land** *Great Indian Developer Summit*, Bangalore April - 2015.

Open Source Contribution

SparkR	Contributed to Spark 1.4 release.
X2J	XmlSchema to JsonSchema conversion library.

Technical skills

Languages	C#, Java
Web	Asp.net, NancyFx
Mobile	Android
Databases	MS Sql Server, MongoDB, Redis
CI-CD	Go,TeamCity

Professional Service

- Taught underprivileged students for 3 months through Deloitte CSR program.

- Alumni representative at the Department Advisory Committee for the Computer Department at V.E.S.I.T for 2014 & 2015.