Mustafa I. Dasorwala

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EDUCATION

The George Washington University - M.S. Computer Science (GPA: 3.77/4)	**Aug 2013 - May 2015**
University of Mumbai, **India** – B.E. Computer Science	**Aug 2006 - May 2010**

Relevant Courses:
- Web and Social Analytics
- Analysis of Algorithms
- Data Structures
- Advanced Database
- Information Retrieval
- Machine Learning
- Android

SKILLS

- Programming Languages and Frameworks: C, C++, Java, Python, Android, Spark, Kafka
- Database Technologies: Oracle, MySQL Server, SQL, postgresql
- Scripting Languages: JavaScript, Perl
- Web Technology: Spring-Boot, Django, Amazon Web Services (AWS)
- Operating Systems: Windows, UNIX, Ubuntu Linux, RHEL
- Tools: Git, svn, Visual Studio, Eclipse, IntelliJ, Solr, Chef, Jenkins

PROFESSIONAL EXPERIENCE

Capital One, Mclean, Virginia   **June 2015 – Current**
Data Engineer (Note: All deployments environments are on AWS)

- Working on Multi Product Decision which is modernized version of credit card application processing in real time
- Implemented application/system to aggregate data to enable Credit Application fraud detection
- Developed web application to manage both internal and external events using Loopback framework
- Implemented multiple microservices in form of RESTful API's using Spring-Boot, Spring, Jersey, Spring DAO.
- Worked on DevOps tasks to setup up one click prod deployment pipeline using CFT, Chef and Jenkins
- Developed application (FileTap) to move data from S3 to ELK stack which worked 6 times faster than default plugin
- Worked with the HR team and created an internal hiring app

Scholarly Technology Group, George Washington University Libraries, Washington DC   **June 2014 – Apr 2015**
Student Programmer (Open Source Projects) (Python, Django, Solr, Jetty, Apache2)

Enhanced / Contributed to various open source projects dealing with archiving and searching various records/books
PROJECTS:
Launchpad:

- A Django based system that provides a stable URL for every item in the libraries' catalog. Various discovery services link to these URLs. The page for each item in turn links out to various other resources that provide methods for accessing the content of the items.
- Git: https://github.com/gwu-libraries/launchpad

Obento:

- A Python/Django search multiplexing backend presenting results in a "bento box"-style frontend.
- Git: https://github.com/gwu-libraries/obento

iGate Global Solutions Ltd., Pune, India   **Nov 2010 – June 2013**
Software Engineer

- Developed enhancements (in **C**, **C**++, **Java**) for **Hitachi's** network and performance management product, which enables unified monitoring and analysis of databases and system performance for distributed systems with mixed platforms.
- The product supports multiple Operating Systems: Win2k3, Win2k8, Linux, AIX, Solaris, HP, etc.
- Worked on enhancements concentrated on making the products more efficient, scalable and also to migrate it to cloud.
- Implemented **Multi-tenancy**, the primary enhancement required to move the product to cloud, which enabled creation of multiple users by assigning them to a single or specific group of servers to be monitored.
- Increased the **Scalability** of the product. Previously, one manager supported 250 agents now, it supports over 1000.
- Introduced the concept of secondary manager which replaced the primary manager when primary manager crashed.
- Contributed significantly in value innovation by **automating testing**.

PROJECTS

Academic Projects (Source code available on my github)

- Question Peach (Custom Survey Creation), DroidSearch, Outdoor Terrain Classification (Machine Learning), Invisible Skies (Java, Android, JSON), Catch Me If You Can (C#)

EXTRA-CURRICULAR ACTIVITIES

- President [2009-10] of Computer Society of India MHSSCOE chapter.
- Joint Organizing head [2008-09] of Computer Society of India MHSSCOE chapter.
- Part of organizing committee of KompKraft'09 (CS Department Event), Purple'10 (College Festival), etc.
- Organized several industrial visits and various technical and non-technical seminars.