

Payam Rastogi

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EDUCATION

NEW YORK UNIVERSITY

MS IN COMPUTER SCIENCE

Expected May 2016 | New York, US

Cum. GPA: 3.73 / 4.0

UNIVERSITY OF RAJASTHAN

BE IN COMPUTER SCIENCE AND ENGINEERING

July 2009 | Rajasthan, India

GPA: 3.93 / 4.0

LINKS

Github:// [payamrastogi](#)

LinkedIn:// [payamrastogi](#)

COURSEWORK

GRADUATE

Advanced Machine Learning

Programming for Big Data

Web Search Engines

Cloud Computing

SKILLS

LANGUAGES

Java • Python • C • C++

• Matlab/Octave • PHP

DATABASE

PostgreSQL • MySQL • Oracle

AWS

EC2 • S3 • EMR • RDS

APACHE STACK

Hadoop • Kafka • Hive • POI •

Maven • HttpComponents •

OpenNLP

FRAMEWORK

Spring • Hibernate • Struts •

Netflix/Feign

CERTIFICATIONS

• Oracle Certified Professional, Java

Web Component Developer 5

• Sun Certified Java Programmer 6

EXPERIENCE

THE LOADDOWN | SOFTWARE ENGINEERING INTERN

Jan 2015 – Dec 2015 | Manhattan, NY

- Reduced web application's turn-around time by 7% for identification of competitive sets by implementing algorithm based on binary classification.
- Emulated Java-based GUI-less browser for web scraping and triggering price change event on Google Play Store.
- Slashed manual effort by developing and implementing report generation tool for generating customized Excel Reports.

FORD TECHNOLOGY SERVICES INDIA | SOFTWARE ENGINEER & TEAM LEAD

June 2013 – Aug 2014 | Gurgaon, India

- Developed a web application to record, track, and report the concerns of the users. The application is being used by more than 1 million Ford dealers.
- Led the team to develop a Java based tool to automate database migration between Oracle and IBM DB2.

TATA CONSULTANCY SERVICES LTD. | SYSTEMS ENGINEER

Dec 2009 – June 2013 | Gurgaon, India

- Implemented multi-factor authentication by integrating Smart Card Interface and One-Time Password to increase difficulty of circumventing or getting past normal authentication protections.
- Automated the process of build and deployment of web application and reduced the wasted time by 69%.
- Built SOAP client with a custom caching, connected to Apache Axis2 Server.
- Designed and Implemented Proof of Concepts to demonstrate the feasibility of proposed solution.

ACADEMIC PROJECTS

QUERYING SOURCE CODE USING NATURAL LANGUAGE CONSTRUCTS | ECLIPSE IDE PLUGIN

Java, Eclipse JDT, Apache OpenNLP

Built a plugin that uses the Eclipse Search Engine to query the code using keyword, scope, and type, inferred from the query phrase provided by the user.

INDEXER/QUERY PROCESSOR

Java, Multithreading, DAAT, VByte compression

Created an inverted index structure on a set of downloaded web pages (6GB gzipped/20 million pages) and a query processor that processes queries using the same inverted index structure.

APPETITE

Java WebSockets, Apache Kafka, Parse API

Created a Web application, which recommends a user a list of restaurants based on their location. It also allows a user to post and rate the same on Facebook.

PRODUCT LAUNCHING GUIDE USING HADOOP ECO-SYSTEM

Java, Apache Hive, AWS EC2, S3, EMR

Developed an analytic using Apache Hive, to find correlation between the product sales, weather and sentiments of people across different states in US. Used Pearson Correlation Model to establish a relationship between different data sets.