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**PROFESSIONAL EXPERIENCE**

**ADOBE SYSTEMS CORPORATION, SAN JOSE, USA** August 2017 - Present *Software Engineer – Adobe Device Graph*

* Developed **Scala** components that analyses and clusters about 200 million devices for better targeted advertisement
* Developed and improvised algorithms for connecting and creating graph for data which is distributed in multiple machines
* Automated the set up and control of the entire big data infrastructure in cloud using **python** scripts. Debugging and fixing infrastructure and managing petabytes of data that is continuously scaling up by around 5% every month
* Developing real time stitching of device information from more than 200 million devices using **Flink** technologies
* Involved in analyzing data through machine learning algorithms to discover the hidden information that exists in the data

**ADOBE SYSTEMS CORPORATION, NEW YORK, USA** *Backend Engineer – Audience Manager*March 2016 - July 2017

* Architected, coded and tested enterprise **Java/SQL** code executed in Adobe’s Audience Manager Product that results in million dollar contracts for Adobe**. Spring framework** was used for developing the **Rest APIs**.
* Worked with Product Managers, Scrum Masters, UI Designers, engineering teams to successfully deliver features.
* Managed the incident reporting using JIRA. Debugged the incidents on-time and closed them (Scrum fixes) thus ensuring increased customer satisfaction. Used **Jenkins** for effective CI/CD pipeline management.
* Implemented interactive documentation of the RESTful APIs using **Swagger** framework resulting in saving time for the documentation team. Actively use **GitHub** for maintaining the code base effectively.

**CARNEGIE MELLON UNIVERSITY - FollowPrice Recommendation System**

*Software Engineer*August 2015 - December 2015

* Mentored a team of 5 people for integrating recommendation system software in Follow Price (a Portuguese startup) website. This recommendation engine is estimated to increase the revenue of FollowPrice by 20%
* Established models using algorithms: association rules, decision tree in technologies such as **R, Python and Java**

**INFORMATICA, REDWOOD CITY, USA**

*Summer Intern – Native Systems* May 2015 - August 2015

* Implemented utility, using **Java and Maven**, for comparing the dataset generated from test cases against a baseline dataset. This helped in easy automation of regression cases and reduced the test case run time to 2-3 seconds
* Implemented automation in **Test NG** framework thereby reducing the testing time by more than 50%

**INFOSYS LTD**, **INDIA**

*Software Engineer – Financial Services* December 2009 - May 2014

* Developed the API layer using **Java**. It interacted with the backend (MySQL) to fetch results and passed it to the UI layer.

This abstraction helped in easy system maintenance and enhanced the debugging process considerably

* Introduced a dashboard, using **agile methodology**, for increasing the efficiency of bank’s equity managers by 50%
* Analyzed and reengineered software components to **remove performance bottlenecks** of the client system

**SKILLS**

* **Programming Languages: JAVA, Scala,** Python, Bash, R, XML
* **Cloud Infrastructure**: **Spark,** Hadoop, MapReduce, Hive, Auto Scaling, Load Balancing, utilization of AWS and Azure SDKs
* **Applications/Technologies**: **J2EE, SpringFramework,** TestNG, JUnit, JMS(Messaging), Linux, Maven, .NET, Jenkins
* **Database Management Systems**: **MySQL**, HBase, Oracle, DynamoDB, PostgreSQL
* **Web Technologies:** REST, SOAP, JMS, Java RMI, Android framework, JSON, Servlets, MVC

**EDUCATION**

**Carnegie Mellon University**, Pittsburgh, PA December 2015

*Master of Information Systems Management*

**West Bengal University of Technology**, India July 2009

*Applied Electronics and Instrumentation Engineering*

**LEADERSHIP AND PROJECT MANAGEMENT**

* Led a team of 6 people resulting in quality system modules implementation for a million GBP project
* Created traceability matrix thus increasing **the efficiency of the project management by 25%** of a 1.2M GBPproject

**ACHIEVEMENTS**

* Co-owner of the Adobe New York CS, Algorithm Enthusiasts group August 2016 - Present
* Rated amongst top 10% employees (CRR1+), Infosys LTD 2013 - 2014
* Taught mathematics to under privileged children at Akanksha Foundation 2011 - 2012