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# DIXIT KESHAVBHAI PATEL

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## EMPLOYMENT

<b>Software Engineer</b>	<b>Cisco Systems</b>	<b>Sept 2016 - Present</b>
<ul style="list-style-type: none"><li>Working on CAFY, a web application based on Flask, MongoDB, MySQL, React &amp; Redux.</li><li>Unilaterally implemented a custom notification system, using SNS/SQS and AWS Lambda which notifies based on the latest record, insufficient state, threshold levels, etc.</li><li>Designed an Admin System to grant access control for the entire organization.</li><li>Spearheaded the team to achieve CATO(Cloud Allowed to Operate), a security process by Cisco, for operating in external cloud.</li><li>Integrated cflow into the system to achieve code-coverage.</li></ul>		
<b>Java Development Intern</b>	<b>Genesys Telecommunications</b>	<b>May 2015 - Dec 2015</b>
<ul style="list-style-type: none"><li>Designed a scalable data architecture using Open-source software viz. Log-courier, Logstash, Elasticsearch &amp; Kibana (ELK) with searchers, masters, data-nodes &amp; indexers, currently ingesting 11,000 events per second.</li><li>Customized Logstash filters in Ruby (JRuby), Perl scripts &amp; Java indexing modules to ingest synthesized data.</li></ul>		
<b>Senior Systems Engineer</b>	<b>Infosys Ltd.</b>	<b>Sept 2011 - Aug 2014</b>
<ul style="list-style-type: none"><li>Application Developer for a J2EE application titled "VPN automation" which automates whole VPN order processing till the step of provisioning.</li><li>Reduced redundancy in code and number of database connections by implementing a Generic Database Service in Hibernate using JAX-WS framework &amp; Java Reflections.</li><li>Spearheaded the migration of Web Services &amp; Web Applications from Tomcat 6.0 to Weblogic 12c.</li></ul>		
<b>Teaching Assistant</b>	<b>Northeastern University</b>	<b>Jan 2016 - July 2016</b>
<ul style="list-style-type: none"><li>Teaching Assistant for Information Retrieval in Spring 2015, Spring 2016 &amp; Summer 2016.</li></ul>		

## EDUCATION

<b>M.S in Computer Science</b>	<b>Northeastern University</b>	<b>Sept 2014 - July 2016</b>
<b>B.E in Computer Engineering</b>	<b>University of Mumbai</b>	<b>Aug 2007 - May 2011</b>

## PROJECTS

- Parallel Data Processing Framework (Java, EC2, S3):** Designed & developed own Map-Reduce framework in Java, which runs on AWS EC2 with S3 as storage and also locally.
- Data Science & Big Data Analytics (EMR, S3, Java, Hadoop, R):** Analyzed Airline on-time performance datasets to predict Missed Connections, Delayed Flights, Routing Details, etc. by building models using Elastic MapReduce & Hadoop.
- Social Network Analysis (D3.js, Java):** Found the most influential people in Enron dataset by implementing algorithms such as Betweenness centrality, Closeness centrality, Floyd-Warshall and Degree centrality on a 16k graph in Java. Visualized the social network using D3.js.

## LANGUAGES AND TECHNOLOGIES

- Java, JavaScript, ECMAScript, TypeScript, React, Redux, Angular 4, NodeJS, AngularJS, SCSS, REST, Python, CSS, D3.js, GatsbyJS, Git/Github
- MySQL, MongoDB, ElasticSearch, Oracle, Amazon S3