Bellevue, WA
https://dixitk13.github.io

DIXIT KESHAVBHAI PATEL

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EMPLOYMENT

Software Developer	Oracle Corp.	Oct 2019 - Present

- Collaborating with cross-functional teams, product management, and engineering to build and enhance web experiences for OCI Console, OCI Compute, Observability, and Monitoring products.
- Identify and execute improvements in existing architectures; suggest and implement best practices to drive efficiency.
- Built & owned products in Oracle Cloud, viz. OCI Console, Logging, Monitoring, Connector-Hub, OCI Dashboards widgets, etc.
- Participating in organizational roadmap planning, mentorship programs & regular hiring activities in the organization.

Software Engineer	Cisco Systems	Sept 2016 - Oct 2019

- Worked on CAFY, a web application based on Flask, MongoDB, MySQL, React & Redux.
- Independently implemented a rule based notification system, using SNS/SQS and AWS Lambda which notifies based on the latest record, insufficient state, threshold levels, etc.
- Designed an Admin System to grant access control for the entire organization.
- Spearheaded the team to achieve CATO(Cloud Allowed to Operate), a security process by Cisco, for operating in external cloud.

Java Development Intern	Genesys Telecommunications	May 2015 – Dec 2015

- Designed a scalable data architecture using Open-source software viz. Log-courier, Logstash, Elasticsearch & Kibana (ELK) with searchers, masters, data-nodes & indexers, ingesting 11,000 events per second.

Senior Systems Engineer	Infosys Ltd.	Sept 2011 – Aug 2014

- Application Developer for a J2EE application titled "VPN automation" which automates VPN order processing till the step of provisioning.
- Reduced redundancy in code and number of database connections by implementing a Generic Database Service in Hibernate using JAX-WS framework & Java Reflections.

Teaching Assistant	Northeastern University	Jan 2016 – July 2016

- Teaching Assistant for Information Retrieval in Spring 2015, Spring 2016 & Summer 2016.

EDUCATION

M.S in Computer Science	Northeastern University	Sept 2014 – July 2016
B.E in Computer Engineering	University of Mumbai	Aug 2007 – May 2011

PROJECTS

- **Covid Visualization (React, NodeJS, Redis, Heroku):** An interactive web application showcasing covid visualization KPIs progressing across the world using react & react-map-gl libraries.
- **Parallel Data Processing Framework (Java, EC2, S3):** Designed & developed a 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

- TypeScript, JavaScript, ECMAScript, React, Redux, Java, CSS/SCSS, REST, GraphQL, Python, D3.js
- Terraform, MySQL, MongoDB, ElasticSearch, Redis