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Experience

- Salesforce**, Palo Alto, CA United States *Lead Software Engineer* Jun 2016 - current
- Enhanced & optimized the existing user mailbox crawlers to achieve 10x throughput with an SLA of 6s.
 - Designed and implemented a public-private key pair rotation job using Spark with an at-most once semantics.
 - Implemented organization's API gateway on top of Netflix's Zuul to enable easy onboarding for microservice for various teams with the capability to authenticate and route requests at the rate of ~700 requests/sec.
 - Helped implement the crawling and data retrieval system to capture zoom video call and recording metadata in near-real time to power the Salesforce Conversational intelligence feature stack.
 - Developed APIs and stream processing pipelines(Apache Storm) that allowed processing user activities & engagement required to power features on products like Salesforce Einstein Activity Capture and High Velocity Sales.
 - Built the backend web-service services & streaming pipelines (Apache Storm) that powers the email productivity features on the Salesforce Inbox mobile and desktop app.
 - Implemented a data import tool for SalesforceIQ CRM, allowing customers to map and import data with a few clicks.
 - Optimized and maintained various backend services, APIs and integration for SalesforceIQ (EOL'd March 2020)
- Selligent**, Redwood City, CA United States *Software Engineer* Jan 2014 - Jun 2016
- Designed and implemented a geolocation lookup system using user IP to allow location based email targeting.
 - Formulated, designed and developed a mobile push notification delivery system, that allows marketing users to target their audience using mobile push, as a medium for communication. Developed IOS/Android apps as part of development.
 - Enhanced the existing software to support multi-tenancy, in an effort to reduce operation cost by nearly 40%.
- EPIC**, Verona, WI United States *Software Developer* Jun 2013 - Jan 2014
- Designed and enhanced the existing data migration and synchronization suite of software to allow seamless synchronization of data between multiple environments.
 - Supported the system internally for various application teams, to improve the overall system reliability and health.
- Tata Consultancy Services**, Mumbai, India *Assistant Systems Engineer* Aug 2010 - Jul 2012
- Enhanced the sales system implemented on Salesforce.com to accommodate seven sales processes and offered language localization based on the geography of the user.
 - Analyzed and resolved production related issues, inquiries and requests for three Salesforce.com applications.
- IBM - India Software Lab**, Mumbai, India *Test engineer - Intern* Aug 2009 - Apr 2010
- Automated end-to-end test-case scenarios of the IBM BPM suite to reduce the overall time required to test the product by 80%.
 - Developed three Java utilities that helped reduce 97% of the efforts required for comparison of test results.
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Projects

- Distributed Key-Value Store** Jan 2013 - May 2013
- Built an in-memory, 1-resilient distributed key-value store capable of scaling in both data capacity and query capacity.
 - Implemented in Java, the system was deployed on Amazon AWS. Clusters of Amazon EC2 machines were used to form each store unit with their group membership maintained in Amazon SimpleDB.
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Education

- Cornell University, College of Engineering**, Ithaca, NY May 2013
- Master of Engineering, Computer Science.
- Mumbai University, Sardar Patel Institute of Technology**, Mumbai, India May 2010
- Bachelor of Engineering, Information Technology.
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Skills and Certifications

Programming Languages: Java , python, Javascript (basic), Typescript (basic), Scala (basic)

Persistent Systems: Postgres, Cassandra, Elasticsearch, Mongo, Kafka, Redis

Processing frameworks: Apache Storm, Apache Spark, Netflix Zuul