

SHIREEN NAGDIVE

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EDUCATION

- **Stony Brook University** New York, USA
Master of Science in Computer Science; GPA: 3.66/4.0 Aug 2018 – Dec 2019
- **Visvesvaraya National Institute of Technology(VNIT)** Nagpur, India
Bachelor of Technology in Computer Science and Engineering; GPA: 7.66/10.0 July 2012 – April 2016

PROGRAMMING SKILLS

- **Languages:** Java, Go, Python, R, C, C++
- **Technologies:** REST, Async API, OpenAPI, Spring, MQ, HBase, HDFS, Jenkins, Docker, NodeJS, Jaeger

EXPERIENCE

- **Salesforce.com** San Francisco, California
Member of Technical Staff - Platform Services Feb 2020 - Present
 - **Observability:** Led and defined metrics to observe the health and performance of asynchronous Bulk API which allows customers to perform millions of operations per day like upload (150M records/day), upsert, query (1GB/file) or delete of large data sets.
 - **Event Monitoring:** Implemented event monitoring for Salesforce Bulk API 2.0 and exposed it to customers via Event Log Files.
 - **OpenAPI Generation:** Building a framework which generates OpenAPI specification (OAS) to reflect customer org's unique endpoints, metadata and object customizations for 50+ Salesforce REST resources. Exposed the framework to internal teams to adopt the feature for representing their API resources in OAS.
 - **Low Code Integration:** Developed the capability to consume, parse and build operations from OpenAPI 3.0 schema of an externally hosted RESTful service into invocable actions in point-and-click automation tools within Salesforce which allows for outbound integrations without writing any code.
- **Salesforce.com** Bellevue, Washington
Software Developer Intern - Lightning June 2019 - August 2019
 - **Bug Tracking System:** Designed MongoDB schema, introduced caching using Redis and developed end-to-end features in JavaScript (ES6) for adding, deleting and displaying bugs in the performance analysis application of Salesforce's Lightning Platform. Reduced developer efforts by 80%.
 - **Analytics Dashboard:** Created a rules engine in JavaScript (NodeJS) for identifying heuristic based performance regressions; integrated with bug tracking system and developed a dashboard for displaying analytics.
- **Barclays** Pune, India
Software Developer - Barclaycard, UK Aug 2016 - June 2018
 - **Contact Center Agent Desktop:** Developed optimal end-to-end RESTful web-services using micro service architecture in Java and handled high transaction volume (1.1m each for the processes) for Barclaycard UK customers, delivering significant Average Handling Time (AHT) reduction.
 - **Web Applications:** Designed and developed light weight responsive web applications with ReactJS and Redux ensuring ay11 compliance. Integrated web-apps with back-end web services to add, update, view and delete data asynchronously.

PROJECTS

- **Apache Pinot:** Modelled CPU time contribution of each segment of a server ; leveraged this modeling to predict the future load induced by segments of a server in LinkedIn's real-time distributed OLAP data store, Pinot.
- **Consensus:** Implemented leader election, log replication, safety as a part of Raft consensus algorithm for managing a replicated log. Extended this implementation to build a sharded key-value store supporting get, put, append operations.
- **New York Taxi Fare Prediction:** Built a prediction model using random forest regressor to predict taxifare of around 50M customers based on pickup, dropoff location, time of day and number of passengers.
- **Word2Vec:** Implemented skip-gram method for Word2Vec machine learning model using TensorFlow methods to learn word representations and predict context words based on an input word.