

# PUSHKAR NARENDRA LADHE

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## SUMMARY

A Software Engineer with 2+ years of professional experience in developing robust applications using **Java, Spring, Hibernate, REST** and **Microservices**. Also, having advanced knowledge and academic hands on experience in **distributed computing** using **Hadoop, Spark, MapReduce** and **Kafka**. Worked on **JavaScript** frameworks like **Node.js, Express.js** and **jQuery**.

## EDUCATION

<b>Arizona State University, USA</b>	<b>GPA: 3.53</b>
<b>Master of Science, Software Engineering</b>	<b>05/2018</b>
<b>University of Mumbai, India</b>	<b>GPA: 3.75</b>
<b>Bachelor of Engineering, Computer Engineering [Distinguished Honors Student]</b>	<b>06/2014</b>

Coursework: Advanced Data Structures, Analysis & Design of Algorithms, Distributed Data Systems, Web Applications and Mobile Systems, Semantic Web, Cloud Computing & Big Data (Hadoop – MapReduce), Database Management Systems, Data Mining, Software Security, Theory of Computer Science, Discrete Structures and Graph Theory, Operating Systems.

## TECHNICAL SKILLS

**Languages:** Java, JavaScript, Python, Ruby, C++, HTML5, CSS3, Unix Shell Scripting

**Frameworks:** Spring, Spring Boot, Hibernate, Junit, express.js, Rails, Spark, MapReduce, Kafka, OAuth2, REST, Microservices

**Databases:** MySQL, MongoDB, Neo4j, Oracle, Postgres, HBase, Hive, Hadoop

**Platforms:** Maven, Jenkins, JIRA, Confluence, GitHub, Docker, Tomcat, Apache2, Eclipse, IntelliJ

## WORK EXPERIENCE

Software Engineer – Big Data Platforms, Cerner [Java, Hadoop, Crunch, Kafka, Rails] **07/2018 – To Date**

- Working as a developer on the Data Ingestion platform to ingest heterogeneous data to Cerner's datastore.
- Working on building a multimedia ingestion service that ingests documents in multimedia format to Cerner's datastore.
- Developed data ingestion service in Rails that allowed ingestion of textual EMR data in Cerner's HDFS storage.
- Developed integration tests that allowed testing of the API end points and make sure they adhere to the standards.
- Built an API client in Java that allows secure access to the service endpoints from other internal services.

Software Engineer Intern, ScaleArc Inc., Santa Clara, CA [JavaScript, Node, JQuery] **05/2017 – 08/2017**

- Developed ScaleArc's product download website that automated the ScaleArc download and installation.
- Improved ScaleArc's front end unit test coverage that allowed thorough developer testing of the product.

Assistant Software Engineer, TCSL, India [Java, Spring, Hibernate, SQL Server] **09/2014 – 08/2016**

- Worked on development of an insider trade surveillance system that catches suspicious trading activities.
- Spearheaded the development of a new surveillance model that improved the quality of suspicious trading alerts.
- Created build and execution scripts that reduced the deployment time of application from 50 minutes to 10-15 minutes.

## ACADEMIC PROJECTS

Show Me: The Score Project [Node.js, express.js, MongoDB, vue.js, Neo4j] **09/2017 – 05/2018**

[ <http://score-contest.org/2018/projects/showme.php> ]

- Worked as a Back-End API developer, to develop RESTful APIs to fetch graphs and relations for Show Me App from Neo4j.
- Designed and developed the utility that crawls research data from websites and automatically generates graph in Neo4j.
- Developed an algorithm that would score a paper based on its relevance to a specific field using the Google Scholar data.

Geospatial Analysis of New York Yellow Cabs [Java, Scala, HDFS, Spark] **01/2017 – 05/2017**

- Performed geospatial analysis on large spatial data stored in HDFS using Java, Scala and Apache Spark framework.
- Customized and used the GeoSpark library for spatial data fragmentation and distributed query processing.
- Analyzed different parameters like CPU time, memory utilization and individual node performance of Spark cluster.
- The system can retrieve geographical hotspots in a locality based on the data available in HDFS.

Secure file sharing using Attribute Based Encryption (ABE) [Java] **06/2016 – 12/2016**

- Developed a security mechanism to provide secure file sharing in cloud-based platforms using ABE.
- Improves upon current Attribute Based Encryption systems by adding an extra authentication Layer.