

# 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

**Arizona State University, USA**

**GPA: 3.53**

**Master of Science, Software Engineering**

**05/2018**

**University of Mumbai, India**

**GPA: 3.75**

**Bachelor of Engineering, Computer Engineering [Distinguished Honors Student]**

**06/2014**

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, Mockito, node.js, express.js, Rails, Kafka, OAuth2, REST, Microservices

**Databases:** MySQL, SQLServer, MongoDB, Neo4j, Oracle, Postgres

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

## WORK EXPERIENCE

Software Engineer Intern, Persistent Systems, India [Java, Java Swing, SQL]

**08/2013 – 05/2014**

- Implemented Image Encryption and Decryption tool to encrypt the images such that they alter the visual content.
- Implemented a steganography feature which allows us to conceal text into images and extract back from the image.

Assistant Software Engineer, TCSL, India [Java, Spring, Hibernate, SQL Server]

**09/2014 – 08/2016**

- Developed an insider trade surveillance system that allowed the business to catch 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.
- Mentored trainee associates in Java Programming and Data Structures.

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.

Software Engineer – Big Data Platforms, Cerner, Kansas City, MO [Java, Hadoop, Crunch, Kafka]

**07/2018 – To Date**

- Working as a developer on the Data Ingestion platform to ingest heterogeneous data to Cerner's datastore.
- Developing MapReduce jobs to process the ingestion data.

## ACADEMIC PROJECTS

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.
- Automated authentication to users based on the attributes available with the system.
- Improves upon current Attribute Based Encryption systems by adding an extra authentication Layer.

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

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.