PUSHKAR NARENDRA LADHE

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SUMMARY

A graduate student in Software Engineering 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, HTML5, CSS3, Unix Shell Scripting

Frameworks: Spring, Spring Boot, Hibernate, Ruby on Rails 4, Junit, node.js, express.js, vue.js, Kafka, OAuth2, REST, Microservices

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

Platforms: Maven, Jenkins, JIRA, Confluence, GitHub, Docker, Tomcat, Apache2

WORK EXPERIENCE

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.
- Provided RESTful APIs to access the data in the product download website, like links to products, release dates, etc.
- Designed and delivered unit tested first version of the product download website.

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, 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.
- Allows users to understand how the implemented visual cryptographic techniques are practically put to use.

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.
- Implemented third party authorization using OAuth 2.0 and GitHub, that made the application more secure and robust.

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.
- 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.