Avanti Patil

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EDUCATION:

Master of Science in Computer Science	**Sept 2014 - Dec 2016**
Northeastern University (NEU), Boston	GPA - 3.79 (MS Community Service Award, MSCS,17)
Bachelor of Computer Engineering	**May 2008 - June 2011**
University of Mumbai, India	(Scholarship. Graduated w/ Distinction)

TECHNICAL SKILLS:

Programming Languages:	Java, SQL, C, C++, PL/SQL, Python, HTML, JavaScript
Databases:	Postgres, MySQL, Oracle
Operating Systems:	Windows, Mac OS X, Linux , Android
Frameworks/Technologies:	Spark, Play, Solr, Gradle, Angular, Flask, Hibernate, JUnit, Mockito, NodeJS

WORK EXPERIENCE:

Wayfair, Search Platform - Software Engineer 2   [Java, Solr, Python, Docker, Kubernetes]   Sept 2019 - Present
• Solr infrastructure improvements including containerizing applications for vertical and horizontal scaling,
• Reduced latency of search results by changing parameters in solr schema configs like 'timeAllowed' and 'docValues' after load testing with real life traffic using jmeter and tracking performance in datadog metrics.
• Currently working on creating search as a service with java and upgrading to Apache solr 7.

Toast.inc – Software Engineer   [Java, Spark, Android, Angular]   Feb 2017 - Aug 2019
• Designed and developed new pipeline to run spark jobs for Toast's first data analytics platform resulting in 90% improvement in time for report processing.
• Developed a Java microservice to send jobs to spark, built a customized Jenkins pipelines to build/deploy artifacts to the EC2 containers for the service and added functionality to prioritize spark jobs using job queue.
• Improved jacoco test code coverage from 33% to 50% code by adding unit tests and integration tests. Also audited and reduced time to run E2E automated selenium tests.
• Improved monitoring using Datadog and New Relic for better visibility into live systems vitals along with proactive alerting for spark and microservices while mentoring 5 interns in 2 years while managing day to day tasks.
• Worked on 2 different areas of product including analytics and labor-cash-payroll management

VMware.inc - Site Recovery Management Intern   [C++, Python]   May - Dec 2015
• Designed & prototyped for Availability Zone REST API that allows multiple VMware DR solutions to operate in a cooperative fashion in Site Recovery Management 6.0 codebase using C++, Java frontend. Won a poster session.

NSE InfoTech Services Ltd. - Associate System Analyst   [C, SQL, PL/SQL]   Jul 2011 - Jun 2014
• Designed and developed IRF/CD/FO risk mgmt. system with cutting edge technologies such as High performance computing in C using Message Passing Interface & Multithreading while working with cross-functional team of 12.

PROJECTS:

Social Networking for projectfeed1010   [Python, OAUTH, Flask, Unittest, Neo4j]
• Developed an efficient social networking site for ISB's aquaponics system users.
• Lead project in given timeline, interacting with four teams in two time zones & released to 100 users for beta test.
• Created & tested an API to fetch data from neo4j while considering scalability with growth of user base (~100k).

ACTIVITIES: Founder & President of NU Grad Women Coders and HackNEU Hackathon
INTERESTS: Traveling, Landscape Photography