Navdeep Singh

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EDUCATION

UNIVERSITY OF ARIZONA
MS in Computer Science
May 2018 | Tucson, AZ

UNIVERSITY OF ARIZONA
Minor
Eller College of Management
Information Security[1]
Risk Management[2]
Percentile: 99[1] and 100[2]

STANFORD UNIVERSITY
Summer Coursework
Machine Learning
Percentile: 97

SKILLS

PRODUCT
Highlights
Analytical • Customer Oriented • Good business sense • Creative • Tech Savvy • Product Strategy • Research and Documentation • Risk Management
Methodologies
Agile • Waterfall

PROGRAMMING
Over 10000 lines:
MySQL • Java • Javascript • C# • HTML
Over 5000 lines:
C • C++ • CSS • Swift • Python
Familiar:
Unix • iOS • Android • LaTeX • HDFS
Patterns:
jQuery • React • Redux • ASP.NET • WebServices • MVC • ADO.NET • Windows Workflow Foundation • MapReduce • Jenkins • Git

LINKS

Github:// **navsing**
LinkedIn:// **navdeep2**
Quora:// **Navdeep-Singh-319**
Twitter:// **navdeep_ua**

EXPERIENCE

AMAZON | Software Engineer
May 2018 - Present | NYC
React, Redux, Javascript, Java, MySQL, Scripting, AWS
- **Full Stack Software Engineer** undergoing SDE to PM Transition.
- Defining project scope, goals and deliverables to ensure consistency with business commitments.
- Increased productivity of the team by collaborating with different teams (Product, UX, Tech and Users) from **Product conceptualization to launch**.

NOAO | Chief Programmer
May 2017 – May 2018 | Tucson, AZ
- **Architect**: Designed and developed a software infrastructure to process alerts generated by LSST (largest telescope in the world to be built in Chile).
- **Management**: Interface between Astronomers, UX and Engineers.

DATA LAB - UA | Researcher
Aug 2016 – May 2017 | Tucson, AZ
Java, MapReduce, Hadoop, NDN
- **Ownership**: Individual Research focusing on Distributed Computing and Computer Networks.
- **Productizing and Implementation**: Worked with Dr. Chris Gniady to integrate novel networks (NDN) with Hadoop from conceptualization to launch.
- **Data Analysis**: Analyzed debug level Hadoop traces (log files - Gigabytes in size)

INFOSYS LTD. | Systems Engineer
June 2014 – July 2016 | Pune, India
- Worked both within Infosys and its corporate clients.
- **Dot Net developer** involved in software development, automated testing, performance optimization, data structures utilizing object oriented programming, **C#, ASP.NET, XML, MVC, Entity Framework, SQL Server 2008, Visual Studio**. Worked both in **Agile and Waterfall** methodologies.
- Worked as a part of the development team to code, test, optimize and ship.

PROJECTS

- Part of IBM Watson using **Lucene and Stanford CoreNLP**.
- **iOS application** that determines if patient is eligible for TPA (Acute Stroke).
- **Algorithm** to map Stroke Patients to Medicines.
- **Chet** - co-founder, planning and directing operations, policies etc.

ACTIVITIES AND ACHIEVEMENTS

- **Microsoft Certified Professional** in CRM.
- **Aptitude**: Performed in the top 5 percent in the National Level Aptitude Test.
- **SQL expertise**: Rank 1 worldwide - MySQL on HackerRank

PUBLICATIONS

[1] N. Singh and R. Dhiman. A survey on data aggregation and clustering schemes in underwater sensor networks. *Science Engineering Research Support Society*, 2014.

[2] N. Singh and R. Dhiman. Fuzzy logic based clustering algorithm for network optimization. *International Journal of Systems, Control and Communications*, 2015.