Dr. Jaideep Ganguly, Sc.D.(MIT)

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Summary

- 9 years of experience at Amazon.
- Innovative, hands-on, have the ability to dive deep.
- Results-oriented visionary with a distinguished track record in software engineering and machine learning.
- Strong track record of leading design and implementation of massively scalable and reliable software services.
- Ability to hire and retain world class talent across distributed dev centers.

Technical Skills

AWS, Dynamo DB, JVM, Java, Kotlin, Scala, Python, SciKit-Learn, TensorFlow, Keras, Deep Learning, Reinforced Learning, RDBMS, NoSQL, jQuery, Bootstrap.

Director of Software Engineering, Amazon, Hyderabad — Jun-2017 to Nov-2019

Leader of the FinTech team at Amazon which is responsible for computing payables to Amazon business partners worldwide which amounts to well over a hundred billion dollars. In depth experience in delivering software using Java, Kotlin, Scala and through large scale asynchronous computing. Deep expertise in building Machine Learning / Deep Learning models to detect fraud and outliers as well as detect patterns to derive tangible business insights.

Director of Software Engineering, Amazon, Hyderabad — Sep-2010 to May-2017

Responsible for complete engineering of a software stack that automatically handles service requests from over 3 million sellers on Amazon Marketplace without any human intervention. Enabled automation of millions marketplace contacts in 2016. Conceived and developed RacerX, a foundation for automation. Presented our work at Machine Learning at Amazon Berlin workshop in Sep 2016. Earlier, responsible for Amazon Webstore engineering and large seller business which included Marks & Spencer. Under my leadership, M&S internet sales grew by 23% YoY to well over a billion dollars.

Director of Software Engineering, Microsoft, Hyderabad — Jul-2006 to Aug-2010

Shipped 2 versions of Windows Server including Remote Desktop Services Gateway, a core component in Windows Server. The Gateway tunnels the Remote Desktop Protocol session using a HTTPS channel for increasing security of RDP Services by encapsulating the session with Transport Layer Security (TLS). My team was the winner of Microsoft's coveted Worldwide Engineering Excellence Award for Trustworthy Computing. Enabled integration with System Center Virtual Machine Manager (SCVMM) for Dynamic Placement of Virtual Machines. Recipient of Microsoft Management Excellence Award.

Education

Doctor of Science, from Massachusetts Institute of Technology.
Dissertation on *formalisation, design and implementation of a knowledge based system for qualitative reasoning*.
Master of Science, MIT.

Bachelor of Technology with honors from Indian Institute of Technology, Kharagpur.
Recipient of Sir Dorabji Tata award for academic excellence.

Recent Publications

1. A Brief History of Machine Learning
2. Functional Programming – Design through Functional Composition & Monads
3. Machine Learning and the Grand Challenge
4. The Perils of Concurrency

Patents

1. Centralised management tool for remote presentation session server farms US 8495193 B2
2. Adaptable License Platform for Remote Sessions US 20120079393 A1