K Subramanian

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Education

Netaji Subhas Institute of Technology, New Delhi

2007 - 2011

Coursera Coursework

Deep Learning Specialization

- Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization
- Structuring Machine Learning Projects
- Convolutional Neural Networks and Sequence Models

Functional Programming in Scala

- Functional Programming with Scala
- Parallel programming
- Big Data Analysis with Scala and Spark

Technical Expertise

Cloud technologies
Expert in building on secure, scalable and highly available software on AWS.

Big Data technologies
Hands on with Spark Streaming, AWS EMR, Amazon Kinesis

Backend Application Frameworks
Proficient in using Spring, Django, Django REST Framework, Flask

Things I've written

Writing web applications

On touch typing

Professional Experience

(Nov '19 - Present)

Software Development Engineer   Amazon Web Services

- Helping lead a team to deliver customer interactions and operationalization of GuardDuty detections
- Rolled out Amazon S3 protection in Amazon GuardDuty
- Improved Amazon GuardDuty detections using Spark Streaming Analytics
- Designing security software from scratch with high availibility, low latency and extreme scalability requirements

(Aug '16 - Nov '19)

Software Development Engineer   Amazon Development Center India Pvt. Ltd.

- Architected team strategy and software to scale Product Compliance software for global trade.
- Built software from scratch with high availibility, low latency and extreme scalability requirements

(May '15 - Aug '16)

Principal Software Engineer   MagicLane App Services Pvt. Ltd.

- Joined as the first engineer in the firm, and set up infrastructure, technology stacks and development practices.
- Built prototypes and initial versions of the product including two apps on Play Store and App Store.
- Built up Order Management, Account Management and an XMPP based messaging service.
- Built up AI based services for ChatBots, and a service for l18n for messages.

(Nov '13 – Apr '15)

Software Engineer   Paytm

- Built Digital Payments, Ad Network products and Hyperlocal grocery delivery products
- Built out Centralized logging, and deployment strategy for multiple products.

(Jul '11 – Nov '13)

Senior R&D Engineer   Tejas Networks Pvt. Ltd.

- Contributed to Network Management Software to manage Switches and Routers