

## Arbaaz Meghani

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### Work Experience

#### Senior Software Engineer

November 2022–Present

*Capital One*

- Generate eight figures in annual rewards savings by designing and implementing a system to process millions of daily card transactions and enroll cardholders who shop on Amazon into the rewards program.
- Design an extended rewards program so that account managers on the credit card account can use Capital One rewards points to shop on Amazon and PayPal in addition to primary credit card holders.
- Implement a customer-requested feature in Java & Spring Boot to enable shoppers on Amazon and PayPal to shop with their Capital One rewards points using virtual credit cards.
- Participate in disaster recovery exercises to ensure that our services can fail over between AWS regions.

#### Software Engineer 2

December 2020–November 2022

*Label Insight (Acquired by NielsenIQ)*

- Implemented a platform to analyze product search trends using retailer search data so that customers could increase sales revenue by driving more impressions to their products.
- Developed a system in Python to export large datasets of product data and deliver them to customers.
- Coded a product discoverability platform backend using Kotlin & Spring Boot so that customers could discover products by utilizing faceted search with keyword filtering and dynamic counts by categories.
- Designed and implemented a product data ingestion pipeline using AWS to transform and load the data into PostgreSQL, Redshift, OpenSearch, and Solr.

#### Software Engineer

September 2019–December 2020

*Kin And Carta*

- Modernized a legacy credit card application system by implementing microservices in Java & Spring Boot using an event-driven architecture and test-driven development.
- Increased SQL query performance by 20% so that microservices could process credit card applications faster by creating indexes on commonly queried columns after analyzing query bottlenecks.
- Implemented a feature to store credit card application data in RabbitMQ on-premises during connection failures to AWS RDS database to enable fault-tolerant microservices.
- Coded a locking system to sort RabbitMQ events before syncing them to the legacy system.

#### Software Engineer

May 2018–September 2019

*Arris (Acquired by CommScope)*

- Coded memory diagnostics in C/C++ to detect memory issues remotely on Xilinx FPGA boards so that network issues could be resolved efficiently and reduce impact to customers.
- Reduced memory utilization in memory-constrained devices by developing virtual network cards so that network routers could be reduced in physical size and fit on telephone poles.
- Virtualized the network router simulator so that developers could run it not only on Windows but also on Linux operating systems.
- Ported the codebase from VxWorks to Linux to enable development of a new product.

### Education

#### Bachelor Of Science, Computer Science (GPA: 3.94/4.00)

August 2014–May 2018

*University of Illinois at Chicago*

### Professional Certificates

#### Amazon Web Services Solutions Architect - Associate

September 2023–September 2026

*Verification ID: 7MX39D2K9NEEQN31*

### Technical Skills

Java, Kotlin, Spring, React, JavaScript, SQL, Python, C/C++, AWS, Git