

Sidharth Mittal

Software Engineer

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Summary

I'm a software engineer with 3+ years of experience. I have always been driven by what potential impact can my work produce and the value it can bring, be it in whatever domain and have never compromised on it. I like to maintain an innovative attitude and develop end-to-end highly efficient systems.

Work experience

Software Engineer

2016 - Present

Microsoft India R&D Private Limited, Hyderabad

Team-

Bing and AI Products (January 2019 - Present)

Bing Events Team

- Developed a data-pipeline to fetch data across-web annotated in Schema.Org notation from ~30k domains. Developed modules to create final graph, generate tags, and extract categories. Also, I had built a fresh ML model to conflate venues. Enhancing events data store from ~700k events to ~1.5M events.
- Designed and developed a critical workflow to replace an existing low reliability workflow for all 'Event' intent queries on Bing.
- Developed a workflow to show events based on user preference such as favorite artist or category, showing significant improvements in user engagement and revenue.

Team-

Dynamics 365 for Talent (July 2017-January 2019)

Dynamics 365 for Talent is developing an ATS for Enterprise.

- Designed and Implemented numerous features for Dynamics-365 Offer Management consisting both back-end and front-end functionalities.
- Ensured security and vulnerability compliance benchmarks for first release.
- Developed and enabled integration tests along with continuous monitoring for the entire back-end services.
- Active on-call participation to ensure reliability and availability of all services.
- Followed engineering practices such as, continuous release environments, code coverage, setting up TSGs and wikis, and regular service reviews.

Team-

Platform Application Framework (Notification, Diagnostics and Configuration) (July 2016-July 2017)

- Developed a scalable meeting notification web-services to serve multiple clients ~50 applications, following micro-services architecture.
- Enabled Continuous Integration and Continuous Deployment for all Service Fabric services, saving 8 hours of deployment effort and providing Zero-Down-Time deployments.
- Integrated Log Analytics for entire platform using Azure OMS (Operations Management Suite), which monitors APIs, cluster node health, User Activity, Database usage etc.

Skills

Languages



C, C++, C#, Angular 5, Typescript, Python, PHP, HTML, SCSS, SQL, Scope, OCaml, LaTeX.

Databases



DocumentDB, COSMOS, Microsoft Dynamics CRM (XRM), SQL Server, Azure Table Storage.

Tools and Technologies



Visual Studio, Git, Azure Technologies (including Azure-ML), .NET 4.5, .NET Core, WEKA, MATLAB, Octave.

Certifications

1. Coursera - Machine Learning by Stanford University. (Andrew Ng)

Education

Master of Technology (Computer Science Engineering) 2014 - 2016

[Indian Institute of Technology, Delhi](#)

CGPA - 7.98

- **Courses Taken:**

Advanced Data Structures, Computer Graphics, Cloud Computing and Virtualization, Wireless Networks, Advanced Database Implementation, Business Intelligence, Introduction to Logic and Functional Programming, Synthesis and Design of Digital Systems.

Bachelor in Technology (Computer Science Engineering) 2010 - 2014

[Uttar Pradesh Technical University, Lucknow](#)

CGPA - 7.59

- **Courses Taken:**

Data Structure, Algorithms, Computer Networks, Artificial Intelligence, Machine Learning, Operating Systems, Compiler Theory, Digital Logic, Computer Architecture, Microprocessors, Systems Programming, Advanced Graph Theory

Qualifying Exams

1. Graduate Aptitude Test in Engineering (GATE) 2014

Paper: **Computer Science**

All India Rank: **223 (Percentile 99.85%)**

Total candidates: **155190**

Others

Hobbies

- Squash
- Hindustani Classical (Vocal and Keyboard)
- Reading
- Blogging
doubledareyourself.blogspot.in
- Coin Collection (numismatics)

Interests

- Sports
- Reading Research Papers