

ANWIT ROY

SR. SOFTWARE DEVELOPMENT ENGINEER, AMAZON

Software developer with 11 years of experience acting as Sr. SDE in Amazon. Strong technical background of large-scale distributed systems along with state-of-the-art cloud and bigdata technologies. Notable success in designing and developing highly scalable backend service capable of handling millions of TPS. Successfully developed service that crunches hundreds of Terrabytes of data daily and provide sub second latency search experience. Deeply enthusiastic about hiring talent, mentoring engineers and helping business achieve multifold growth.

EXPERIENCES

Present
|
Aug
2020

SDE II / SDE III

Content Systems, Amazon

📍 Bengaluru

- Currently working in Content Systems org in Retail Website which manages marketing content globally. Worked as a lead engineer on a green-field project to automate marketing content.
- Built a service from scratch that crunches 100TBs of data daily to provide sub second search capability.
- Operating as Team Lead owning 4 micro-services and leading a team of 6 engineers in implementation of critical path softwares.
- Conceptualized, designed and re-architected the editorial automation workflow of Marketing content for Amazon Retail Website.
- Developed a marketing expense management tool designed to handle \$20 billion annually.
- Stabilized services during Kinesis Outage in Nov 2020 and AWS worldwide outage in Dec 2021.
- Working with PMs, SDMs and Principle Engineers in prioritizing strategy for the team and lay product roadmap.
- Lead design reviews and implementation, milestone breakdown, stakeholder reporting, resource allocation and provide mentorship to engineers.
- Worked on convergence of two biggest Content Management Systems of Amazon Retail Website(Symphony and MS3) serving millions of global marketers and vendors.
- Provide oncall support during Peak events across the globe.

Aug
2020
|
Feb
2019

SDE II

Shopping Foundation, Amazon

📍 Bengaluru

- Worked in Shopping Foundations Org in Amazon Retail which maintains Tier-1 services to provide aggregate product information across Detail, Checkout and Search pages.
- Supported legacy systems during PrimeDay 2019, BlackFriday and CyberMonday. Scaled the services to handle site peak traffic during PD19 which saw 959k TPS and 185B requests served without any sev-2s or operational issues.
- Developed services using various state-of-the-art AWS as well as legacy OnPrem technologies.
- Built nodeJS library to support CloudAuth on Lambda.(OAuth2 based authentication system that enables cross-VPC service to service authentication)
- KTLO support and deprecation of legacy systems

Feb
2019
|
Feb
2015

Software Engineer II

Dynamic365, Microsoft

📍 Bengaluru

- Designed, built, tested and deployed scalable, highly available and modular software products. Worked on multiple releases and developed various module/features in full stack development.
- Worked with state-of-the art Azure services like CosmosDB, PowerBI.
- Streamlined deployment process by developing continuous integration tools. Worked with Online Visual Studio(VSO) Tool to create and manage our project repo, building end to end CI/CD pipeline.
- Built selenium test automation infra for the team.
- Worked on performance tuning of MSSQL database which improved query efficiency by 80%.
- Worked on improving telemetry system and providing GDPR support.

Feb
2015
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Aug
2012

Software Engineer

Cisco Systems

📍 Bengaluru

- Acted as network engineer with hands on experience in Kernel programming.
- Worked on N5K/N6K switching Operating Systems development for Harbord and Illuka release.
- Developed features for 3rd gen Fabric Integrator and Unified Computing Server.

EDUCATION

2012
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2010

Masters of Technology, Major in Computational Science

Indian Institute of Science
(CGPA: 6.8/8.0)

📍 Bangalore

Activities and societies: Competitive Programming, Conference paper on tunable ion trap.

2009
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2005

Bachelors of Technology, Major in Electronics and TeleCommunication

Jadavpur University
(CGPA: 8.95/10.0)

📍 Kolkata

Activities and societies: C-Thru (Annual College Fest), Journal paper on Evolutionary computing.

CONTACT INFO

[in anwit-roy-b0a47561](https://www.linkedin.com/in/anwit-roy-b0a47561)

anwitju@gmail.com

📞 (+91) 9483824079

📠 9483824079

SKILLS

Distributed Systems
Algorithm
AWS
ETL
Databases
CI/CD
IaaS
Leadership
Mentoring

Java
Typescript
SQL
Spark
Scala
Spring
AngularJS
ReactJS
MySQL
DynamoDb
Elasticsearch
Lambda

ACCOLADES

Winner, Experiment days in Amazon
Microsoft Spot Award for Excellence
Winners, Robotics Race, IIT Kgp

This resume was last updated in July 2023