DEEPAK KAR

Experience

Meta Inc. / Facebook

London, UK

Software Development Engineer

Jan. 2022 - Present

- Lead and Delivered on **EntryPoint Discovery** which allowed teams to run discovery jobs and discover assets being used by their web pages and mobile app screens.
- Lead the road mapping efforts for **EntryPoint Discovery** and communicated with other teams regarding progress and updates.
- Developed the **GraphQL EntryPoint Discovery** which discovered all the GraphQL queries and methods being called from a particular web-page or mobile screen.
- Mentored and on-boarded new joiners into the company and the team.

AppDynamics

Bengaluru, India

Software Development Engineer II

Jun. 2021 - Dec. 2022

• Collaborated on **API Monitoring**, a new offering for customers, which monitors health of REST API Endpoints & alerts on failure

 $Software\ Development\ Engineer$

Jul. 2019 - Jun. 2021

- Volunteered for a cross-team project to integrate **ThousandEyes'** into **AppDynamics'** platform which was presented in **Cisco Live**, **2021** and allowed customers to monitor network health as well.
- Enhanced the Simple Synthetics Agent to support JavaScript for Browser Automation using Puppeteer.
- Developed a scalable Synthetics Agent, called Simple Synthetics, on top of Kubernetes, slashing the infrastructure costs by 60-70%.
- Participated In Internal Hackathon to demonstrate POC of **Simple Synthetics** on top of **Kubernetes** which led to the **full re-architecture of Synthetics Agent**.
- Migrated current Synthetics code base from **Python2 to Python3** and automated installation of python on Windows Server.

Searce Inc.

Bengaluru, India

Software Developer Intern

Jan. 2019 - Jun. 2019

- Created **Data Lake** & **Elastic Search Index** for Tata Steel Limited for faster and centralized access of data for Data Scientists which was not possible earlier.
- Collaborated on Data lake project with a team of 15 people who developed the pipeline for data ingestion using Google Cloud Dataflow for 20+ TB of data and 300+ tables.

Microsoft IDC

Bengaluru, India

 $Software\ Developer\ Intern$

May 2018 – Jul. 2018

- Refined Treadmill, an automated testing system, to exclude 2000+ unnecessary tests when specified by the user.
- Improved the time taken for tests for each code change by 50% which saved 50+ man hours per day.

Education

Birla Institute of Technology & Science, Pilani Campus

Pilani, Rajasthan

Bachelor of Engineering in Computer Science & Engineering

Aug. 2015 – Jul. 2019

Electives: Cryptography, Quantum Information & Computing, Network Programming, Advanced Algorithms & Analysis

Teaching Assistant for Course Data Structure & Algorithms from Aug. 2018 – Dec. 2018

Technical Skills

Languages: Java, Python, JavaScript, C, C++, SQL, Kotlin, Hack Developer Tools: AWS, Google Cloud, IntelliJ, VS Code, Gradle

Technologies/Frameworks: DataSwarm Pipelines, Spring Framework, DropWizard, Django, Kubernetes