

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