

Arkajyoti Mukherjee

Software Developer

Reviewer @ LitmusChaos (CNCF Sandbox) | SDE @ Chaos Native | Ex-SDE Intern @ Mayadata | React | Golang | NodeJS

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EDUCATION

Bachelor of Technology - BTech, Engineering KIIT University

05/2017 - 05/2021

9.00

Courses

- Data Structures, Algorithms, DBMS, OS, Discrete Mathematics, etc.

WORK EXPERIENCE

Software Engineer Chaos Native (Spinoff MayaData)

02/2021 - Present

Bengaluru, Karnataka, India

ChaosNative provides support for LitmusChaos (CNCF sandbox project).

Achievements/Tasks

- Lead the frontend and worked on the backend team to develop a portal for Litmuschaos 2.0.
- Created and Maintained an opensource UI library named litmus-ui (<https://ui.litmuschaos.io>).
- Working on an open source CLI for LitmusChaos called litmusctl with Golang, cobra and viper to create a cluster agent and execute Litmus CRDs in a cluster.
- Created several backend APIs and optimized Database querying in mongoDB.

Software Engineer Intern MayaData

05/2020 - 02/2021

Bengaluru, Karnataka, India

Mayadata delivers Data Agility - via open source OpenEBS and Litmus plus software and maniacal user support.

Achievements/Tasks

- Created the foundation and lead frontend developer for Litmus Portal, an on-prem portal that comes with LitmusChaos installation (CNCF sandbox project for Chaos Engineering).
- Created and lead the frontend team of Kubera (an enterprise SaaS platform) that involved various products like an OEM for Litmus Portal, Mayastor, and other products related to data storage and backup in Kubernetes.
- Helped architect the frontend setup for Kubera SaaS.
- Build the main website for LitmusChaos (<https://litmuschaos.io/>) and an Experiment Hub for LitmusChaos (<https://hub.litmuschaos.io/>).
- Coached several employees on React, Typescript, GraphQL, Apollo and MaterialUI.

SKILLS

React

Javascript/Typescript

Golang

HTML/ CSS

Gatsby

GraphQL/REST

MongoDB

Technical Writing/Documentation

Git/Github

Project Management w/ JIRA/Asana

Remote debugging

Training employees in React

PERSONAL PROJECTS

Creating Jazz Music with LSTM (08/2019)

- Using LSTM (a RNN model) to create new music by training the neural network on existing music data.

Kide (01/2020 - Present)

- Helping Campus visitors to navigate the campus as a part of the KIIT hospitality. Also recognized by the University-wide national games, Khelo India to be a useful app during their stay.
- Created a community around the app which is now maintained by juniors.
- <https://play.google.com/store/apps/details?id=com.kiitdev.Kide>

EEG Data Analysis and Classification with ML (09/2019)

- Data Cleaning, Artifact Removal using statistical methods and Classification between showing a face or not using EEG brain signals with Machine Learning.
- Published the paper in springer-nature: https://link.springer.com/chapter/10.1007/978-3-030-37551-5_14
- Also, Open sourced the research code here: <https://github.com/arkajyotiMukherjee/EEG-research>

VOLUNTEER EXPERIENCE

Mozilla Odisha Club Member (09/2018 - 03/2020)

Taught in various educational programs/seminars on web technologies and open source initiatives and organized Hackathons.

CERTIFICATES

Deep Learning - Coursera (01/2019 - 09/2019)

A five-part specialization course teaching Convolutional networks, RNNs, LSTM, Adam, Dropout, BatchNorm, Xavier/He initialization, and more.

Wireless Sensor Networks - NIT Rourkela (12/2019)

An introduction to the field of wireless sensor networks and IoT, the protocols used and discussion of research avenues.

LANGUAGES

English

Full Professional Proficiency

Hindi

Professional Working Proficiency

Bengali

Native or Bilingual Proficiency