Subhomoy Roy Choudhury

Passionate software developer with 1.5 years of industry experience (plus 2 year internships with live projects) in Node.js, Python (Django, FastAPI), Kubernetes, and Docker. I thrive on tackling real-life challenges, problem solving and delivering end-to-end solutions.

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WORK EXPERIENCE

Software Development Engineer 1(1.5+ YoE ...)
Jio Fynd

07/2022 - Present   *Bangalore, India*

Achievements/Tasks

- **Platform Core Catalog Service** - Directly responsible for service which supported sellers in managing product catalogs and inventory for the B2B business JioMart Partners built on top of Fynd Platform.
- **Catalog Cloud** - centralizes, enhances and distributes product/inventory data
- Contributed significantly to building a new product Catalog Cloud from the ground up. Made substantial contributions from its conceptualization to full-fledged implementation.
- Developed the authentication and authorization system assigning the user with custom roles (RBAC) for the system.
- Developed multiple common utilities/scripts to manage/automate mundane tasks i.e. managing the permissions of every API route of relevant microservices based on user role and organization i.e. vendor/seller.
- Developed the product ingestion pipelines using Apache Kafka where any seller can import pre-existing catalogs in very minimal time and with minimum configurations.
- Contributed to the frontend development of respective features and contributed to the overall optimisation of the project resulting in 30% improvement in performance.

Software Engineer Intern (1+ YoE)
SBNRI

06/2021 - 06/2022   *Remote, India*

Achievements/Tasks

- Leveraged Django framework for backend development, proficiently employing AWS ECS and Jenkins for seamless deployment.
- Orchestrated SBM Banking APIs integration, alongside crafting robust Mutual Fund and FD Tracker functionalities using Zapier and CAMS RestAPI.
- Amplified user experience by skillfully contributing to frontend design, shaping captivating Landing pages through TailwindCSS.

Junior Researcher (6m)
IEM IEDC

06/2021 - 12/2021   *West Bengal, India*

Achievements/Tasks

- Contributed to Full Stack Development of CTF Website utilizing Django framework and Vanilla JS.
- Successfully deployed the platform on Raspberry Pi, implementing Port Forwarding for seamless external access.

SKILLS

- Problem Solving / Data Structures / Algorithms
- Backend - NodeJS (Express) / Python (Flask, Django)
- Full Stack Development - MERN
- Frontend - ReactJS + TypeScript + Redux
- Git/Github
- Cloud - GCP, AWS
- DBMS - MongoDB, MySQL, PostgreSQL
- Redis
- MongoDB
- PostgreSQL
- Kafka
- Docker
- Kubernetes

PERSONAL PROJECTS

meet-api-python ☐
- Created a Python PIP library enabling seamless integration for scheduling, listing, and deleting Google Meet sessions directly from existing Python applications. Simplifies virtual collaboration by streamlining Google Meet management processes.

Hack_IP ☐
- I have developed a Command Line Tool that enables efficient tracking of IP addresses and retrieval of system information. This project simplifies the process of managing IP addresses and accessing crucial system details in a user-friendly manner.

local-software-development-toolkit ☐
- I successfully created a local development setup using Docker, Python, and Go. This setup included setting up and configuring MongoDB, Solr, PostgreSQL, and pgAdmin, allowing for efficient development and testing of various applications.

SSH Manager ☐
- I have developed a comprehensive toolkit leveraging Bash scripting that streamlines the management of SSH connections. This project simplifies the process of connecting to remote servers, automates repetitive tasks, and enhances security, ultimately empowering software engineers in their full stack development endeavors.

Family Tree Generator ☐
- a versatile CLI Tool facilitating the addition of family members and offering the ability to discern their relationships effortlessly.

Covid-Pneumonia Classification ☐
- I have successfully designed an advanced Imagenet Classification model. Utilizing Keras, Tensorflow, and Convolutional Neural Networks (CNN), I developed a robust and accurate solution for classifying images in the Imagenet dataset.

Further more projects on my GitHub / Portfolio ☐