

Ujjal Das

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Professional Summary

Backend focused **Full-Stack Engineer** with 6 years of experience in designing **scalable, high-performance** systems, **automation**, and **cloud** infrastructure. Proven expertise in building **distributed** applications using Go, Java, Python, React, AWS, and Kafka. Strong background in optimizing operational efficiency, cost reduction, and mentoring teams in high-impact projects.

Skills

- **Programming Languages:** Go, Java, Python, Typescript, Javascript
- **Frontend Technologies:** React, NextJs, HTML, CSS, jQuery
- **Backend Technologies:** Nodejs, flask, Grpc, Spring Boot, Microservices, API Development
- **Databases:** SQL, Redis, MongoDB, Hbase
- **Messaging & Streaming:** Apache Kafka, Kinesis
- **BigData Cloud:** Hadoop, Map-Reduce, Spark, AWS, Docker, Lambda
- **DevOps Tools:** Bash, Git, CI/CD, Terraform, Distributed Systems

Work Experience

L4 Software Engineer

🏢 DELIVEROO 📦 FULLSTACK DEVELOPER

Bengaluru, India

August, 2023 - Present

- **Automated** claims processing by developing an **ML-driven worker-based** system for missing item compensation and wrong order claims, integrating **messaging queues** to support analytics and improve user experience, Wrote **Technical Design Documents (TDD)**, implemented **backend/frontend** changes, and **mentored** two interns
- Built a location tracker dashboard for Operations (OPS) to enhance multi-stack order delivery, enabling riders to efficiently collect orders from multiple restaurants, improving network efficiency and reducing rider expenses by 5%
- **Led** the integration of a new cloud contact provider for the Middle East, overseeing **technical implementation, product research**, and provider **communication**. This initiative saved Deliveroo £800k annually and improved system scalability
- Engineered the integration of Amazon Connect CTR data with a third-party **Quality Management System (QMS)** using AWS Lambda, Kinesis, Kafka, and DynamoDB, improving system **reliability, auditability**, and data **accessibility** for analytics and IAM teams
- Developed and **currently own** the Marketplace tool for OPS, consolidating five legacy tools into a unified claims processing system, Built the frontend in **React** and backend in **Go**, leveraging Kafka, DynamoDB, PostgreSQL, AWS Lambda, and Amazon Connect, Responsible for **end-to-end release planning, milestone scheduling**, and **go-to-market strategies**, reducing infrastructure costs by £200K/month and improving agent efficiency.
- **Mentored and trained** 26 new hires as a Bootcamp coach, improving onboarding, training, and knowledge transfer with positive feedback from trainees.

Senior Software Engineer

🏢 GOLDMAN SACHS 📦 BACKEND DEVELOPER

Bengaluru, India

December 2022 - August, 2023

- Developing a **new cloud based platform from scratch** to support firm's all trading activities, My role is to develop new **backend services**, seamlessly integrating them with existing legacy trading systems to facilitate crucial **financial calculations** such as **risk assessment** and **pricing**.
- In addition to writing code for the team, I have taken on various responsibilities such as **mentoring** new team members, conducting thorough **reviews** of pull requests and **technical specifications**, and actively participating in **discussions** regarding technology and product enhancements.

Software Engineer

🏢 GOLDMAN SACHS 📦 BIGDATA DEVELOPER

Bengaluru, India

May 2020 - November, 2022

- Utilized the **Hadoop tech stack** to develop advanced **analytical models** for **surveillance** purposes, enabling the monitoring of trading activities and detection of suspicious market behaviors such as insider-trading and wall crossing.
- Played a pivotal role in assisting the firm in identifying and detecting unusual market activities during the **high-volume** period of the COVID-19 pandemic, contributing to the overall risk management efforts.
- Automated numerous legacy processes, resulting in significant **annual savings** of over 1500 man-hours, This achievement earned recognition for my team as one of the most **innovative teams** at GS.

Co-Founder

BYER PVT LTD FULLSTACK DEVELOPER

Bhubaneswar, India

August 2019 - March, 2020

- Successfully developed a **full-stack e-commerce website** from scratch, utilizing Node.js, JSX, CSS, jQuery, Bootstrap, Redis, MySQL etc.
- Developed an **Android application** with equivalent functionalities to the website, ensuring seamless user experience across platforms.
- Demonstrated **leadership skills** by recruiting, training, and supervising interns to contribute effectively to the growth of the startup.

Machine Learning Intern

PNB METLIFE

Mumbai, India

May 2019 - July 2019

- Designed and implemented an **image processing** pipeline to incorporate robust masking techniques, effectively safeguarding sensitive areas of **KYC documents** in strict adherence to regulatory requirements.
- Developed a **deep learning model** to extract essential data from KYC documents, enabling accurate classification and reconciliation against the database entries.

Automation Engineering Intern

VASITAR PVT LTD

Bhubaneswar, India

May 2017 - August 2017

- **Artificial odour generator** - Wrote a python script for automating a mechanism for producing multisensory (4D olfactory effect) experience with optimal rate and correct proportion of odour diffusion to mitigate the real-life scenario using raspberry-pi, python and ultra-sonic diffusers in a closed space (for example movie theatres). Tested the system in a 10X10 ft room with a capacity of two people. Demo [here](#)

Public Relationship Intern

COGNITIO EDUCATION

Guwahati, India

December 2016 - January 2017

- Organized lectures, contests for school students to increase awareness about competitive examinations.

Education

Indian Institute of Technology, Bhubaneswar

B.TECH IN ELECTRICAL ENGINEERING

Research

IIT Guwahati

RESEARCH FELLOWSHIP PROGRAMME

Guwahati, India

May 2018 - July 2018

- **Audio signal processing via non negative matrix factorization** - Developed and evaluated an algorithm to separate multi-speaker audio from single speaker audio using non-negative matrix multiplication and machine learning.

Honors & Awards

2023 **Winner**, AI-OPS Hackathon

2019 **Winner**, Smart India Hackathon, 2019

2016 **Top 0.05%**, JEE MAINS and JEE ADVANCED, 2016

Goldman Sachs

India

India

Positions of Responsibility

Goldman Sachs

MEMBER OF DEVELOPER TRAINING GROUP

Bengaluru, India

Jan. 2021 - Aug, 2023

- Responsible for organizing sessions on different technical topics and team building activities like hackathon for developers.

Neuromancers Coding society IIT Bhubaneswar

CORE MEMBER

Bhubaneswar, India

December 2016 - May 2020

- Responsible for mentoring freshmen, organizing technical workshop for the whole university.
- Represent the society in different hackathon and coding competitions.