

Saumya Bhatt

Backend Software Engineer

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Software Engineer with 3 years of experience in backend development, specializing in building high-throughput, near-real-time services. Skilled in writing clean, maintainable code and experienced in DevOps practices, including CI/CD and robust data pipeline development.

TECHNICAL SKILLS

Languages: Kotlin, Java, Python, Javascript, Golang

Frameworks: Ktor, Spring Boot, NodeJS, ExpressJS, Flask, Django, ReactJS

Databases: PostgreSQL, Redis, MySQL, MongoDB, Elastic Search

Developer Tools: AWS, GCP, Docker, Kafka, Firebase, Terraform

EXPERIENCE

Porter

June 2024 - Present

SDE 2

- Built the model serving platform that powers the matchmaking service by ranking drivers based on 100 different features with a **p95 latency of 150ms** and **handles 2-3 Lakh requests per day**.
- Worked on setting up the framework for Data Scientists to define features for offline and online queries using a **python-based DSL**. This reduced the TAT for the deployment of ML models from **1.5 months to 2 weeks**.
- Part of the squad to migrate the services at Porter from AWS to GCP which **helped cut infra cost by 30%**.

Porter

July 2022 - June 2024

SDE 1

- Built the payments microservice in Kotlin which currently processes **82% of all online transactions** at the Porter with an **uptime of 99.5%**.
- Implemented dynamic switching between different Payment Gateways based on User Profile and region to **improve payment success rate from 74% to 87%**.

Nucleus Software

July 2021 - December 2021

SDE Intern

- Developed a customer classification and visualization dashboard for banks to perform **RFM analysis** on their user base and classify them into 5 relevant segments.
- Wrote a **Machine Learning model** that used K-means clustering algorithm and trained on 1 lakh entries, served by a **Spring-Boot based server** to the **ReactJS based frontend** as a REST interface.

CSIR - National Institute of Oceanography

August 2020 - October 2020

Summer Intern

- Created a web-based dashboard in Python to manage and communicate with **25 marine robots in real-time**.
- Devised ability to **track location using image rasterization** with a lag of 5 seconds and **stream camera feed in near-real time** using OpenCV, WebSockets, and RTSP Protocols

EDUCATION

BITS Pilani, Goa Campus

B.E. Electronics and Electrical Engineering

July 2018 - August 2022

- Teaching assistant for **Object-Oriented-Programming (OOP)** course.

PROJECTS

Karya | Kotlin, RabbitMQ, Redis, Postgres

October 2024 – December 2024

- An open-source distributed Task Scheduler designed for high-throughput job scheduling with support for periodic, delayed, and custom workflows. Integrates seamlessly into diverse tech stacks via YAML configuration, offering plug-and-play simplicity. Built for infinite scalability and robustness with a proven architecture. Multi-language client support ensures easy integration with any product.

ClickStream Simulator 1.0 | Kafka, RabbitMQ, SpringBoot

January 2024 – May 2024

- End-to-end application to stream click events from a React-based web app to a python consumer that **triggers an email on suspicious activity in near-real-time** (lag of 1 second) using Kafka.