

# Nitesh Gupta

Bangalore, Karnataka

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Software Engineer, Skilled in Backend Development, Computer Science Fundamentals and Data Structures/Algorithms.

Experienced with Java, SpringBoot, Kotlin, C++, SQS, Postgres DB, MongoDB, Microservices, RestApi's, Clickhouse

## Work Experience

### Software Development Engineer (SDE) - I

Coffee.io

Gurgaon, India

June 2023 - Present

- Developed and optimized a Resume and Job Description matching system, harnessing **advanced** technologies to connect ideal candidates with precise job requirements
- Implement and Designed **dynamic** boilerplates in various programming languages for coding questions based on diverse input and output types, showcasing adaptability and proficiency in crafting solutions to meet specific language requirements
- Worked on real-time extraction of relevant skills-based questions for machine interview assessments using **OpenAI**, Which will help in efficiency and precision of candidate evaluation for effective hiring process
- Migrated and **optimized** scripts from Python to Java for improved efficiency
- Designed an autoscaling architecture to **multithread** gathering information from websites
- Design database schema and architecture for maximum **scalability**.
- Tech** - Java, SpringBoot, Salenium, MongoDB, Postgres, AWS(SQS)

### Software Development Engineer (SDE) - I

Koo India

Bangalore, India

July 2022 - June 2023

- Part of 3-member **Notification Platform**
- Uses different channels to serve notifications (notifs) - FCM, WhatsApp, Route SMS and MoEngage, >100 million/day; Peak (140 mil)
- Migrated from a monolith system to **event-driven services** (SQS) - which improved reliability and scalability.
- Improved fanout time** for different notifications - Real time reactions (from 5 min to <20 sec), Content notifs(from> 60 min to <15 min), Crons
- Worked on **app** facing **services** for notifs - Panel (5k RPM, 100ms), Notif-analytics - (15k RPM, 20ms)
- Worked on **reducing** SQS **costs** and IO calls by implementing an in-memory cache
- Implemented a **tiered retry pipeline** for Notification Engine
- Handled **duplicate** external **triggers** for notifs using Mongo/BloomFilter
- Worked on Flink **streaming** based **real time notifs** - Hashtags, Comments after comments
- Worked on migrating notif analytics, stats to **Clickhouse**
- Handled **timezone/country** specific system **notifs** using Jenkins
- Tech** - Java, Kotlin, Ktor, MongoDB, Postgres, ClickHouse, AWS(SQS), Jenkins, Grafana + Prometheus, ELK, Kubernetes, Kafka

### Software Development Intern

Koo India

Bangalore, India

Jan 2022 - June 2022

- Worked on notification services - for adding **new notifs**
- Worked on backend services **fixes/features**
- Tech** - Java, Kotlin, Ktor, MongoDB, Postgres

## Education

### National Institute of Technology Delhi

BTech in Electronics and Communication, CGPA: 7.5

Delhi, India

Aug 2018 - May 2022

### Shiv Joyti Senior Secondary School

High Secondary School; Percentage : 87.2%

Kota, Rajasthan

Apr 2015 - March 2017

## Personal Projects

### Educator's Hub

Website For My YouTube Channel

Remote

- Educators' hub is a competitive programming teaching-based Channel
- It has more that **600+** subscribers
- Tech** - HTML,CSS,Bootstrap

## Skills

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**Programming** Java, Kotlin, C/C++, HTML/CSS

**Databases** PostgreSQL, Mongo, Clickhouse

**Dev Frameworks** Springboot, Ktor

**Data/Message Queues** SQS, Kafka, Flink

## Achievements

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- Solved over 500 questions on Leetcode/BinarySearch/GFG
- 5-star coder in problem-solving and C++ at Hacker Rank
- Won CodeChef creator hunt contest and won a bounty of 400\$