

# Abhishek Kumar

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## EDUCATION

**Indian Institute of Technology, Delhi**

*Bachelor of Technology in Chemical Engineering*

2019 - 2023

CGPA: 8.386/10

## WORK EXPERIENCE

**Cogoport, Gurgaon** | *Software Development Engineer - 1*

September 2023 - Present

- **Business Finance** | *Kotlin, Micronaut, PostgreSQL, RabbitMQ, FastAPI*
  - \* Made key contributions to **Centralized Finance** system by developing **complex SQL queries** to power robust APIs, enabling efficient **payment processing and seamless cash flow presentation** across multiple currencies.
  - \* **Integrated IRN generation for real-time e-invoice declaration in China using the Aisino platform**, ensuring **100%** compliance with tax regulations, minimizing manual intervention.
  - \* **Integrated RBL Bank H2H banking system**, reducing supplier payment processing time from **1-2 days to 1 hours**, improved **cash flow efficiency by 90%** and enabled real-time payment reconciliation.
  - \* **Configured Threadpool to efficiently manage concurrent tasks**, reduced the API runtime to **40%**.
  - \* **Facilitated migration of sage mapping creation** using SOAP client along with migration of 15+ other APIs.
- **Job Card** | *Python, FastAPI, PostgreSQL, Tortoise-ORM, Apache Kafka, Websockets*
  - \* **Leveraged Apache Kafka for real-time data streaming** and designed a **job allocation logic** optimized for operator expertise, stickiness and organizational requirements.
  - \* **Developed and maintained cron jobs utilizing Redis and Celery to automate the processing of incomplete tasks**, ensuring seamless execution, optimal system performance, and enhanced reliability.
  - \* **Implemented WebSockets to establish real-time communication between client and server**, enhancing user experience with instant updates and seamless interactions.
- **Shipment Execution** | *Python, FastAPI, PostgreSQL, Peewee*
  - \* Played a key role in **migrating the Shipment workflow and business logic** from Ruby on Rails to **Python FastAPI**, facilitating a seamless deployment to production within a large team of 50+ members.
  - \* **Engineered robust, scalable APIs** for invoicing, achieving a **70%** reduction in runtime and optimizing DB integration; utilized **Redis, Celery, and Flower** to effectively handle delayed tasks and enhance system performance.
  - \* **Implemented a comprehensive cancellation flow** for both shipment and individual services, while also making significant contributions to code enhancements, resolved **25+ major bugs**.

**SmallDay It Services, Bangalore** | *Software Developer Intern*

June 2022 - July 2022

- Contributed to the **development of a coding platform**, leading the creation of multiple pages and ensuring seamless **frontend and backend integration** using **JavaScript, Bootstrap, CSS, and Django**.

**CSIRO, Australia** | *Web Developer Intern*

June 2021 - July 2021

- Developed an **Android app and website** to calculate **site-specific WQI** and display individual parametric results, while also analyzing data and enhancing **Brown's Method** for more accurate WQI calculations.

## TECHNICAL SKILLS

**Programming Languages:** C++, Python, JavaScript, Java, Kotlin, SQL, HTML, CSS

**Tools and Technologies:** FastAPI, PostgreSQL, Apache Kafka, React.js, Node.js, Git, Celery, RabbitMQ, Micronaut

## PROJECTS

**Medium Replica** | *React.js, HTML/CSS, JavaScript*

August 2023

- Designed and created **UI for Medium.com clone** from scratch, ensuring a seamless and engaging user experience, while **integrating user authentication systems** for registration, login, and personalized profile management.

## ACHIEVEMENTS

- Specialist at Codeforces with a maximum rating of **1547**. Solved 1500+ programming problems on different platforms.
- Secured AIR - 2127 in **JEE Mains 2019** and AIR - 4768 in **JEE Advanced 2019**.
- Awarded **KVPY 2018** Fellowship(AIR 278). Also qualified for **NSEP 2018**, **NSEA 2018** and **NTSE 2017** stage-1.