

# Apurv Chandel

Software Development Engineer

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Experience : 2 Years 6 Months

## EDUCATION

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- **Indian Institute of Information Technology, Nagpur**

*Bachelor of Computer Science; GPA: 8.64/10*

*July 2018 - August 2024*

## ACHIEVEMENTS/ AWARDS

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- GATE 2024 qualified.
- Secured 152nd world rank in the open long challenge on **Code-chef** Platform in 2021.
- Achieved a world rank of 1471 with a total of 7,764,294 points in **Google Hashcode** 2021.
- Elected as Secretary in SAC (Student Council) Indian Institute of Information Technology Nagpur in 2021.

## SKILLS

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- **Languages:** Java, GoLang, C++, Python
- **Libraries & Frameworks:** AWS, GraphQL, Mitm, Kafka, Redis, Spring Boot, REST, Airflow, Django, Databricks
- **Developer Tools:** Postman, GIT, JIRA, Docker
- **Databases:** SQL, MySQL, DynamoDB, MongoDB

## EXPERIENCE

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- **Shaadi.com**

Mumbai, India

*Software Developer*

*Oct 2023 - Current*

- Leading a proof of concept to integrate **Databricks** into the infrastructure, aiming to streamline **ETL** workflows and leverage its Lakehouse architecture for enhanced data processing efficiency and unified analytics and storage..
- Migrated RESTful APIs to GraphQL: Improved data retrieval efficiency by transitioning all **RESTful** APIs to **GraphQL**. Managed deployment into the staging cluster and established a **CI/CD pipeline** for production deployment, utilizing different ARN Hosts and priorities for separate load balancers.
- Enhanced Stakeholder Data Access: Streamlined data access for stakeholders by tailoring **GraphQL** queries to meet specific requirements.
- Upgraded **Kafka** MSK: Successfully migrated **Kafka MSK** from version 2.6.1 to 3.4.1, covering services such as **Kafka consumers**, **Kafka REST**, **Snowplow**, and more.
- Creation of a POC for using **MongoDB** instead of **SQL** for your in-house Feature Store. Creating a proof of concept (POC) to replace SQL with MongoDB for our in-house Feature Store. Currently, bench-marking and performance analysis need to be conducted to compare the cost and performance parameters of the two options.
- Managed the backup population for **15+ PII-related** tables in Redshift, ensuring that data is masked using approved encryption methods. This effort meets the requirements set forth by the Product team, and we continue to monitor these tables as new **ETL** processes are enabled.
- Managed CompIntel Services: Oversee **3 CompIntel** Services to identify **vulnerabilities** and network gaps, ensuring the security of data across Android and Web applications.
- ETL Process Management: Supervised ETL processes from **SQL/NoSQL** databases to **Amazon Redshift** using custom **in-house** scripts, scheduled through **cron** jobs.

- **Cognizant**

Bangalore, India

*Associate*

*July 2022 - July 2023*

- Strengthened back-end services for **AVA** (Albertsons Voice Assistant) by leveraging Spring Boot and pioneering the implementation of **Dialog Flow CX**, introducing this cutting-edge technology to the developer community as a key member of the Google and Cognizant team.
- Designed and implemented a privacy-preserving information exchange solution between the Albertsons and Cognizant. Developed the **High-Level Design (HLD)** and **Low-Level Design (LLD)** for the solution, ensuring secure data exchange while preserving user privacy.

- Boosted system efficiency by integrating parallel functionality, allowing simultaneous execution of multiple queries. This reduction in waiting time by 25% enhancing user experience on the application
- Actively participated in code reviews, architectural discussions, and cross-functional collaboration with 3rd party to deliver high-quality results within project timelines.
- Implemented best practices for error handling, data validation, and performance optimization to enhance backend service stability and efficiency. Achieved 90% coverage across the service through comprehensive Jest unit test cases.
- Achieved an exceptional **25%** reduction in customer wait times through strategic implementation of Dialog Flow, **Spring Boot**, the **CCAI Platform**, and optimization of the IVR system, while seamlessly integrating **REST APIs**. This enhancement had a profound and positive impact on overall customer experience and satisfaction levels.

## • Tata Research Development and Design Center(TCS)

Pune, India

*Research Intern*

*Jun 2021 - Dec 2021*

- Enhanced **Data Structure** with **Java** scripts and optimized data structures to facilitate efficient model-building processes. Seamlessly integrated data from three distinct sources by retrieving input data from an **Excel** sheet using **Apache POI**.
- Utilized libraries for document analysis, initiated the retrieval process, and facilitated smooth data integration. Additionally, engineered an ANTLR4-based compiler to rigorously validate the syntax and properties of all 5 functions, ensuring their adherence to correct grammatical order.

## PROJECTS

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- Developed a Book Store Management System: Facilitated the management of extensive library data by providing an Admin interface for truncating data using **Python**, changing priorities, and ensuring secure login. The system incorporated five easy filters and employed the concept of classes and validation.
- Created the CovidFight App: This application served as an extension of **AarogyaApp**. Built using **Android Studio** and **Firebase**, it informed authorities about the COVID-19 victims who visited the 20 nearest shops and provided details about individuals who came into contact with them.

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