

# Aditya Nair

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## EDUCATION

### University of Illinois, Chicago

Masters of Science in Computer Science (GPA: 3.5/4)

Chicago, IL

Aug. 2021 – May 2023

### University of Mumbai

Bachelors of Engineering in Computer Engineering (GPA: 8.15/10)

Mumbai, India

Aug. 2015 – May 2019

## TECHNICAL SKILLS

**Languages:** Python, Javascript, TypeScript, Java, HTML/CSS, SQL, Dart, Scala, Golang, XML

**Frameworks:** React, Next.js, Node.js, Express, Next.js, Flutter, Android

**Tools & Platforms:** MongoDB, Postgres, MySQL, GraphQL, Docker, Heroku, AWS (EMR, EC2, S3), GCP, Kafka, RabbitMQ, GitHub, Jira, XML, Gradle

## EXPERIENCE

### Software Engineer Intern

Dataflinx

Jul. 2024 – Present

Oakland, CA

- Reduced workflow creation time by **30%** by designing a drag-and-drop builder in React using react-flow and useReducer, with react-hook-form and zod for dynamic node validation.
- Achieved up to **40%** faster processing of user-defined workflows by building a concurrent task execution system in Flask with DFS, multithreading, and subprocess handling.
- Built Node.js backend services for real-time SSE updates using Kafka and integrated CRUD operations across AWS S3, IBM COS, Groq, and OpenAI

### Software Engineer - Full Stack

Rebecca Everlene Trust Company

Aug. 2023 – Jun. 2024

Oakland, CA

- Optimized front-end performance on eCommerce platform by building an Express.js middleware to interact with MongoDB Atlas, synchronizing data fetching and preventing mistimed displays.

### Software Engineer - Full Stack

Agnostech Innovations

Jun. 2019 – Jul. 2021

Mumbai, India

- PiXL**: Automated grade requirement calculation for **400,000** student records on database, using Node.js, GraphQL, and PostgreSQL Triggers, reducing **1000+** hours of manual work.
- XBSL**: Enhanced the native Flutter video player to enable video playlists and timestamp-based quizzes, serving professionals from **100** companies.
- MSA**: Built a feature-rich and responsive form with GraphQL subscriptions over WebSockets to streamline claim filing process for **13,000** MSA Reclamation delegates

## PROJECTS

### Log File Processor

Oct. 2022 – Nov. 2022

- Developed a distributed backend system using Apache Hadoop(Scala) and AWS Elastic Map Reduce(EMR) to efficiently process and analyze large log files.

### Pacando

Feb. 2021 – Jun. 2021

- Led the development of a real-time Fantasy Football mobile app, allowing users to create fantasy football teams, set up field formations, and view a live scoreboard by processing 300+ in-game events.
- Implemented PayPal API integration to facilitate seamless in-game player purchases for users' teams and streamlined withdrawal of winnings

### Companion

Jun. 2016 – Jun. 2019

- Built a mobile application to digitize courses ,attendance and travel concessions management for faculty and **2000+** students