Aditya Nair

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EDUCATION

University of Illinois, Chicago   Chicago, IL
Masters of Science in Computer Science (GPA: 3.5/4)   *Aug. 2021 – May 2023*

University of Mumbai   Mumbai, India
Bachelors of Engineering in Computer Engineering (GPA: 8.15/10)   *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   Jul. 2024 – Jan. 2025
Dataflix   *Oakland, CA*
- Built a modular front-end platform with React for configuring workflows with **5+** services (AWS S3, IBM COS, PostgreSQL) and executing data-driven processes via a drag-and-drop interface.
- Designed RESTful APIs in Node.js for real-time CRUD operations and third-party SDK integrations, reducing file upload bandwidth usage by **50%** and improving data transfer efficiency.
- Developed a Flask-based Workflow Execution Engine enabling concurrent execution of **10** workflows, leveraging DFS, multithreading, and Kafka to process user-defined tree-structured workflows.
- Implemented a custom AWS Lambda to interface IBM Granite LLM with ElevenLabs, streamlining AI-driven workflows and improving automation efficiency

Software Engineer - Full Stack   Aug. 2023 – Jun. 2024
Rebecca Everlene Trust Company   *Oakland, CA*
- Optimized eCommerce platform performance by reducing load times **30%** through Express.js middleware, aggregating filter and feed data into a single request to eliminate mismatched displays.
- Worked cross-functionally with product managers and designers to define, implement, and ship new web features.

Software Engineer - Full Stack   Jun. 2019 – Jul. 2021
Agnostech Innovations   *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 | *Scala, EMR, EC2, S3, gRPC, Hadoop*   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 | *Flutter, Node.js, Apollo, Heroku, GraphQL*   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