

Aditya Nair

312-687-4235 | adityar.nair97@gmail.com | linkedin.com/in/aadi-nair | github.com/aadi-nair

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

Dataflix

Jul. 2024 – Present

Oakland, CA

- Developed a modular front-end platform using React, enabling users to configure workflows with over five integrated services (AWS S3, IBM COS, PostgreSQL) and execute data-driven processes through a drag-and-drop interface.
- Designed and implemented RESTful APIs in Node.js to support real-time CRUD operations, secure integration with third-party SDKs (OpenAI, IBM Watson), and seamless communication between microservices.
- Engineered a Flask-based Workflow Execution Engine to process user-defined workflows, employing DFS algorithms, multithreading, and Kafka messaging.
- Implemented a custom hook to interface ibm/granite LLM model with ElevenLabs.

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