

KAUSHIKQ RAVINDRAN

Education

Bachelor of Technology **National Institute Of Technology, Karnataka** *Surathkal, India* **06/2017 - 05/2021**

- Major in Computer Science Engineering

Related Coursework-: Distributed Database Systems, Advanced Data Structures, Information Security, Network Management, Software Quality Assurance, Operating Systems Lab, Software Engineering Lab, Database Management, Compiler Design Lab ([course projects](#))

Skills

- Java | JavaScript | Spring Boot | Node.js | MongoDB | Kotlin | Python | C++ | Angular | React.js | Express.js | MSSQL | Room (SQLite) | Git
- AWS Lex | AWS Lambda | PHP | Redis | TypeScript | Live Data | Koin | Kafka | PostgreSQL | JUnit Testing (Mockito) | Integration Testing

Experience

Technology Analyst (Full Stack) **Deloitte USI** *Hyderabad, India* **07/2021 - Present**

- Developed and maintained expanding feature sets (in native **Android**) leveraging large-scale distributed systems to orchestrate inventory management and package movement in **2700+ retail warehouses**, used by more than a **hundred thousand** store associates for Kroger.
- Led the production of 4 domain-driven **microservices** to employ a smart pricing tool called **Retail Insight** that discounts retail products from an individual item to a huge variety of product ranges driving significant margin improvements (**\$150M bottomline ROI**).
- Deployed several **country-scale** APIs that handled authentication, ingestion, storage and request routing based on flags and background workers that serve millions of network requests daily in spring boot framework (for invoice history, custom filtering by date etc).
- Delivered a **modular** application with clean architecture (**MVVM**) using ViewModels for lifecycle awareness, **achieved IOC** by using Koin for dependency injection, RoomDB to present **purposeful** data from API responses using SQLite, observed active-states using LiveData.
- **Migrated** all capabilities' codebase from a traditional **MVP** architecture (Java) to its current framework in Kotlin. Rewrote all **UI** modules using Jetpack Compose (from XML) in just over two well planned hyper-sprints to reduce **tech debt** & save on man hours.
- **Automated** triggers to remediate workflow, ingestion of metrics, traces and continuous dependency mapping by facilitating in-depth logging with dynatrace. Received [applause award](#) twice. **Mentored** associate developers carry out JUnit/Integration/E2E testing.

Associate Software Engineer (Backend) **Sundac Inc.** *Remote* **09/2020 - 06/2021**

- Maintained an outsourced service to keep up with the rapidly expanding content library of MX Player ~ **10M concurrent users**. Handled aggregation of services and improved client load times by 50% in 10% of user-base. Awarded '**Best Employee 2021**' for early deliveries.
- Developed a middle-layer using **BFF** design pattern rendering each service instance to initially handle **1k+** requests per **minute** on custom load-testing infrastructure; **proved out** the service on **fastify** framework by landing a configuration for socket timeouts & heap memory.
- Built upon the in-house expertise on NodeJS by leveraging **node streams** to allow each instance higher memory and time efficiency rate.
- Successfully included **server-side pagination and filtering** for a complex tree model which optimized one of the features by 85%.

Project Management Intern **Sundac Inc.** *Remote* **07/2020 - 09/2020**

- **Reported directly to CEO:** Coordinated with client's Premier Technical Account Managers to produce business insights to help manage a Consent Service for multiple user consents (Email, SMS and Push Notifications) & support cross-device consent (auto-sync).

Job Placement Coordinator **National Institute Of Technology Karnataka** *Surathkal, India* **08/2019 - 05/2021**
at Career Development Center

- **Streamlined** career fair process as S-POC for multiple **Fortune® 50** companies (Amazon, Uber, Target...). **Eliminated** plagiarism in the coding exams by developing a secondary-invigilation application to proctor test-takers. Made using MEAN stack.

Projects

- **Deloitte Firm Initiative-:** Built a conversational chatbot (**Virtual Coach**) fed with skill gap analysis to help new hires with career growth.
- **Quorum Based Federated Learning (Research project)** -: Developed a collaborative blockchain [application](#) for **distributed** training of AI models by a [reward-based mechanism](#) to vote for the most robust model. Built using **lenet-5 CNN**, truffle, ganache & metamask.
- **Lowe's Campus Hackathon-:** **Finalist** among **3800** teams of 4 across **India**. Built an [Android app](#) for shoppers to navigate to the shelf with the searched products in the shortest route possible. Used Java for front-end, jupyter notebook & Google OR Tools.
- **Twitter Clone -:** Achieved a global rank 214 in TCS [CodeVita](#) by [simulating](#) Twitter's backend using Actors in Elixir and Websockets in Phoenix framework. **Simulated 10000 active users** on a single machine. Scaled application horizontally using Kafka & Postgresql.

Leadership and Awards

- **Top 0.5% All India Rank:** Ranked 3356 among 1.2 million students in IIT-JEE (26% Pass Rate) due to which I was awarded a **scholarship** to attend NITK, an **Institute of National Importance**, ranked [TIER-1 \(Top 10\)](#) by the **Ministry of Education, Government of India**.
- **SIG Head, Photography Club:** In-charge of managing 50+ students efficiently producing digital content for the **Dean's** office, the student union & 11+ clubs and at NITK using Premiere Pro workflows, Davinci Resolve, Photoshop & Illustrator. Conducted **60+** workshops.