Sunil Chandra

Bangalore

✉ sunilchandra1610@gmail.com 9652175912

Objective

I am a **Full Stack Engineer** with a strong passion for learning new stuff and developing tools that help solve problems.

Education

- **Indian Institute of Technology Madras** — Chennai, India
  Bachelor of Technology in Computer Science — *July. 2015 – May. 2019*

Professional Experience at Goldman Sachs (2019 - Present)

Context : Across Goldman Sachs (GS), various engineering teams utilize a plethora of technologies, both internal and external, for alerting and incident management. I contributed to a team that developed a product to streamline issue management for engineers across these teams.

- **Issue Management**
  - Designed an issue management solution integrating key tools (Jira, PagerDuty, ServiceNow) to centralize troubleshooting, reduce time spent navigating platforms, and streamline ticket resolution processes.
  - Built a pipeline to consume telemetry from different sources through a **Kafka** topic, enabling users to define custom alerting rules on metrics.
  - Developed an application which upon receiving a ticket, finds the concerned resource and provides the user with tools to diagnose (logs, CPU usage, telemetry etc.) and resolve (reboot, decommission etc.) the issue
  - Developed a custom SDK wherein user can define their own diagnostic and resolution steps for their issues
  - Created a Spring Boot Application which consumes all the events from a Kafka Topic and runs the steps defined by the user and creates a UI as per the configuration provided.
- **Notification Service**
  - Developed a trigger based notification system which supports various kinds of notifications(mobile push, email, in-app notifications) for tickets/incidents
  - Provided users ability to define their own custom notification rules like severity based triggers, notification expiry, escalation upon failure to receive notifications, throttling of notifications etc.
  - This consumes and processes the notification requests through a Kafka topic and uses MongoDB to keep an audit of the requests
- **Database Tools**
  - Our team uses a self hosted MongoDB cluster as our database, and data transfer when upgrading top new clusters was done by bringing the application down, taking a data dump and moving it to the new cluster
  - Created a tool that facilitated this process to be done without any downtime using MongoDB change stream
  - Repurposed this tool to read the changes being done on configuration collections used in our application and build an auditing framework where users can see the hostory of a specific configuration.
- **Org health view**
  - Contributed to building a monitoring system to assess the current health of systems present in org at any time and detect irregularities promptly.
  - We consume the current health indicators for each team and we propagate the information of breaches from the leaf node to the root to give a overall view of the org

Personal Project

- **Personal Financial Management Tool**
  - Developed an application that tracks and categorizes all my spendings and gives me an overview of my finances.
  - This Application has a FastApi Backend, uses MongoDB for database needs and the user interface is built on React. Integrations built - Gmail API, Amazon pay, Splitwise data scrapers, Google Drive location data takeout.

Skills and Tools

- **Programming languages :** Java, C, C++, Python, JavaScript
- **Frameworks and Technologies :** Spring, Apache Kafka, Hazelcast, MongoDB, Grafana Angular, React

Scholastic Achievements

- Secured **All India rank 635** in JEE Advanced and **555** in JEE Mains 2015.
- Secured **State rank 77** in TS Eamcet 2015.