

SUSHANTH KILLE

Full-Stack Developer

experienced in DevOps and Data Engg.

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EDUCATION

B.E (CS)	2020	NMAMIT, Udupi	8.9 CGPA
+2	2016	SAIPUC, Shimoga	90%
SSLC	2014	SACHS, Shimoga	96%

WORK EXPERIENCE

Louisa	Sep 23 - Present	Software Engineer 2	UI Lead Data/ML Pod Lead
	May 22 - Sep 23	Software Engineer	Feature Migration UI Process Improvements Desktop Application
Cardinal Health	Sep 20 - Apr 22	Software Engineer	Adherence 3 Adherence Classic
	Jan 20 - Sep 20	Full Stack Intern	Job Scheduler Dashboard

PROJECTS

Louisa (A Goldman-Sachs spinoff):

A B2B People Intelligence Platform that helps connect people inside the organization to communicate better and connect to the right person to get the deal done. focussed on the financial sector.

- In the Initial days, I migrated 3 medium features out of Goldman to general standards.
- Architected, built and led 5+ features from scratch (full-stack).
- Improved the quality of frontend code by introducing multiple performance/reliability best practices. (clean code rules, composition planning, adv typescript flows, recognize and removal of anti-patterns).
- Architected and led the team which built the desktop application of Louisa. Solved a lot of challenges with electron and redirection-based authentication.
- Build a framework to integrate py-spark into our setup. Helped migrate 30+ batch jobs to spark.
- Built custom airflow operators for numerous private uses across our infra.
- Integrated data bricks into our ecosystem and migrated EMR jobs to data bricks.
- Built semantic search capability for search using qdrant and fastembed.
- Built a simple RAG-based agent using the vector DB infrastructure.

Kotlin-SprintBoot-ElasticSearch-React-TypeScript-Qdrant-electron-pyspark

Cardinal Health:

Adherence: A platform that can send messages customised to each customer according to their medical needs and preferences.

- designing and developing microservices, writing units, integration and e2e tests. dockerize the application and write helm charts to deploy on Kubernetes. Monitor the applications through k8s and elastic-search logs. Write Jenkins job for various SDLC, and CICD phases.
- The platform was designed to be event-driven microservices. Built 2 microservices from scratch that handled 1. application status logging and 2. data interaction pipeline. The microservices were built on JavaScript and Java/Kotlin.
- parallelly supported a legacy system. Introduced batch-logging and several algorithmic improvements which led to a doubling of performance. The bug fixes patched into the system decreased the failures from 3-4 to 0.5 programs a month. Saving almost \$100K/pa to the company.

Kotlin-SpringBoot-NextJS-Kubernetes-MySQL-Kafka-Redis

Job Scheduler Dashboard: A web app that aggregates the management of 40+ quartz instances running in the organization. As a white labeling product we had over 3 dozen clients. Each of them had an instance of a job-runner to handle all the cron jobs for the client. We used quartz(java) for this purpose, which had a significant drawback. I.e it didn't have a management console.

- research how to best approach the problem, develop the app end to end, and interact with the dev-ops team to expose the job instance to the app.
- 3 interns at the time came up with the approach of using JNI to talk to these schedulers and manage them remotely. This brought out the idea of having a single point of contact for all job management. We developed the software for 6 weeks and deployed it. The project improved the response time for job-related issue tickets drastically.

Java-ReactJS

SIDE PROJECTS

VMS: A survey app for local campaigns and process/volunteer management.

- Single-handedly migrated a 20+ page app from native Android to Flutter.
- Published the app on both Play Store(Android) and App Store(IOS).
- Converted the app from a multi-build model to a single-build+asset download model which made the entire delivery process drastically easy.
- Currently migrating Django-based backend to golang-grpc in the hopes of improving throughput and reducing cloud cost.
- [App Store](#)
- [Play Store](#)

Flutter-ios

Grok Engine: Project focussed on organizational behavior analysis to improve overall organizational health.

- Set up the entire infrastructure using Terraform on Azure AKS.
- built the design library with design tokens and a component library.
- Set up the front-end application using NextJS and RTL.
- Introduced vector store and helped them build a RAG model using open-source LLMs(ollama).

NextJS-Redux-Terraform-Kubernetes-Qdrant

NBrace: A Flutter app was built for a sister college called AB Shetty Dental College. solves the communication problem for patients who went through brace setup. It also provides useful information on post-brace conditions and video tutorials for maintaining and understanding braces. [check play store](#)

Flutter

COURSES

- [Advanced Learning Algorithms](#)
- [Supervised Machine Learning: Regression and Classification](#)

ACCOMPLISHMENTS

- State Level Hackathon winner - Feb 2019.
- Infosys Certified Software Programmer - August 2019.
- NCC - Corporal Rank + 'A' Certificate in 2013.
- More than 10 Winner and Runner-Up prizes in Speeches and Debates - 2014-2016.

SKILLS

- **Programming Languages:** JavaScript, Kotlin, Python, Java
- **Frameworks:** Spring Boot, NextJS, React, Flutter
- **Tools:** Kubernetes, Docker, Jenkins, Airflow, Databricks