KUSHANG SHAH
SOFTWARE DEVELOPMENT ENGINEER

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Software Development Engineer with expertise in building scalable enterprise systems, passionate about leveraging technology to transform enterprise industries. Proven track record of **innovation**, **system design**, and delivering impactful solutions for **better client experience**.

SKILLS I POSSESS

Languages & Technologies: Java, C++, JavaScript, SQL, Spring, SpringBoot, NodeJs, ReactJs, PostgreSQL, Operating System
Tools & Skills: Github, Google Cloud Platform, Perforce, Docker, Kubernetes, System Design, System Architecture.
Non-Tech Skills: Jira, Kona Client, Public Speaking, Communication, Team work and Cross team Collaboration.

PROFESSIONAL EXPERIENCE

Software Engineer - Samsung Research & Development Institute - Delhi **July 2022 - Present**

- **SMART DOWNLOADER**
  - **Reduced downloading bandwidth** on server by implementing innovative downloading strategy. It distributes the downloading content in all the devices and then devices shares content internally.
  - It is the **implementation of an A1 patent**. It reduces the downloading bandwidth on server by **90% for 10 devices**.
- **MagicInfo server protocol Maintanance**
  - Solved critical market issues for over **15 clients** for HTTP handshake for Content Downloading.
  - Implemented new requirement for both Server side as well as Signage device side implementation for MagicInfo protocol to reduce the **75% market issues** of content downloading on Signage Devices.
- **Circle2Search (or Circle2Generate)**
  - Created **Circle2Search (or Circle2Generate)** for Samsung Interactive Whiteboards. Handled GCP side part for it.
  - You can circle any part of the whiteboard screen and it generates the AI results of the circled content. Created service within just **2 months**. Solved **8 critical defects** of it in the first round of RC.
- **Logs Capturing of Device on Content Management Server (Remote Logging)**
  - Worked on MagicInfo server and Samsung Signage device for implementation of the of device's **logs capturing on the MagicInfo cloud server** on log collection request. Solved its **54 defects in 2 months to make it reliable**.
  - This feature is globally available in all Samsung Signages and it **reduced cost for Market issue resolution by 25%**.
- **Maintenance of Signage Player and Web Author**
  - Handling the Web Author of Samsung Magicinfo Signage Player. It is a tool to create a signage content on Web.
  - Added support for **web widget**, **4 frames widget**, **HDMI component widget** injection in Smart Signage content. Solved **40+ defects** during RC.
- **Smart Logger Efficiency Enhancer**
  - Identified and redesigned the system architecture, proposed a new architecture that **reduced the RAM** usage of the remote logging service in Signage Devices by **4 MB**. This initiative was outside the scope of my assigned project.
  - For this, I collaborated with **cross-functional teams** and delivered the product with **exceeding the expectation**.
- **Ideation and Creativity**
  - **Samsung Hackathon 2024 Winner**. Won first prize in Samsung's Hackathon for Circle2Search feature on Interactive Whiteboard with Generative AI.
  - **Samsung Great Innovative Idea award of 2024**. Received great innovative idea award for 3D model content player in Interactive Whiteboards.

EDUCATION

B.Tech in Information Technology - IIITVadodara (CPI = 8.11) **Aug 2018 - July 2022**

- OOPs, Web Development, Operating System, Database Management, Machine Learning, Computer Networks.

PERSONAL PROJECTS

FinTrack - Expenses tracking application
- Using FinTrack, user can add their expenses into categories. User can visualize the expenses using Graphs.
- This can also be expanded to use in different enterprises such as, logistics, pharma, retail etc to keep track of expenses.

NEET-Exam
- Developed NEET Exam Project During Covid-19 Lockdown for NEET aspirants. It got total **1432 registrations**.

ADDITIONAL INFORMATION

- **Languages:** English, Hindi, Gujarati.   **Hobbies:** Biking, Walking, Foodie
- **Awards/Activities:** Awarded **Best Employee of the Quarter** (Spot Award) 3 times at Samsung for outstanding performance and innovation. Google Cloud Platform Certification course.