SUJAN KARIMILLA

Senior Software Engineer

**Harman Connected Services**, Bangalore, Karnataka

Client: **Samsung Research India** Bangalore, Oct 2017-Present

Domain: **Software configuration and DevOps**

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**EXPERIENCE**

## SAMSUNG R&D INSTITUTE INDIA BANGALORE PVT. LTD,

Bangalore — *Devops Engineer*

**October 2017 – PRESENT**

Having 3.5 years of experience as a Site Reliability Engineer (Devops) for the Samsung Proprietary products - Svoice and Bixby for multiple Devices like Mobile, Digital Appliances and Visual Displays, etc...

**EDUCATION**

**Jawaharlal Nehru Technological University**, AP— *B. Tech*

Completed Graduation from SIETK, puttur, AP. In Electronics and Communication Engineering with 67% aggregate.

## S.V. Govt Polytechnic college, Tirupati, AP

Completed from SBTET, AP. with 71.2 %.

**SBEM High School,** Srikalahasti**,** AP — *High School*

Completed High school from Secondary school certification, AP. With 78%.

**SKILLS**

**Scripting:** Shell, Python

**AWS**: EC2, ELB, EBS, S3

VPC, Subnets, IAM

**Configuration/CI-CD tools:** Ansible, Spinnaker, Jenkins, Docker, Git, JIRA, Kubernetes, Terraform

**Monitoring Tools:** Grafana, Stack Driver, Sumo Logic, Datadog

**AWARDS**

**Samsung Spot Award** for performance excellence and process innovation

**LANGUAGES**

English, Telugu, Hindi & Kannada.

**PERSONAL DETAILS**

**Gender**: Male

**Nationality:** Indian **Marital status**: Single

## PROJECTS

**Project # 1:**

**Company: Samsung Research India, Bangalore Department: Mobile, Visual Displays and Digital Appliances**

**Duration: October 2017 to till date**

**Svoice, Bixby Assistant:**

Bixby is a Virtual and Voice-powered virtual assistant developed by Samsung in early 2017 which is the replacement of Svoice for Galaxy S8 and other successor Devices. Bixby takes the command from humans in voice mode and executes in electronic devices. Artificial Intelligence-powered Bixby application will run on Mobile devices, Speakers and Visual Displays and digital appliances.

## Responsibilities:

* Hands on Experience on cloud platforms: **AWS, Google Cloud** for Architecting Application Delivery**.**
* Proficient in writing **Ansible** playbooks for automating application deployments and configuration management.
* Have knowledge of **AWS** services like EC2, ELB, EBS, EFS, S3, VPC and IAM for managing multiple applications.
* Hands-on experience on **Terraform** for implementing infrastructure as a code for AWS
* Experienced in managing and using the **Jenkins** build system for CI and CD process.
* Hands-on Experience on Managing, Implementing Multi-cloud Deployment tool **Spinnaker** for deploying applications to AWS, GCP
* Well Experienced in Hosting and Managing Complex applications in AWS and Google cloud in VM based and Dockerized platforms.
* Experienced in writing **Docker** files to build Docker Images.
* Good hands-on knowledge of Source Code Management (Version Control System) tools like **Git**
* Automating the manual deployments using **Shell and python** scripts in different environment.
* Managing and configuring monitoring/logging tools such as **Grafana and Stack driver** for monitoring and logging.
* Wrote Automated scripts for rsync to all environments (Dev\_Int, Stg, Prod) and downloading the packages Using **Shell, python**
* Good Hands on experience with Unix/Linux

## Project # 2:

* **Samsung PAY(SPAY):**

**Samsung Pay** is a [mobile payment](https://en.m.wikipedia.org/wiki/Mobile_payment) and [digital wallet](https://en.m.wikipedia.org/wiki/Digital_wallet) service by [Samsung Electronics](https://en.m.wikipedia.org/wiki/Samsung_Electronics) that lets users make payments using compatible phones and other Samsung-produced devices.

**Tools involved:** Perforce, Jenkins and Quick Build

**Tasks done:**

* Release of Eng. and user APKs for different features using the Perforce tool and building the changes using Quick Build.
* Resolving the merge issues and pushing the changes.
* Doing the sanity and smoke screen tests.

**Declaration:** I hereby declare that the information furnished above is true to the best of my knowledge and belief. Place: Bangalore **Signature:**

Date: Sujan Karimilla