

Urvil Joshi

Harman International

Software Engineer 2

OCT 2022 - PRESENT

Digital Key (Phone as a car key)

Digital Key is a smart automobile solution which allows to perform various operations digitally through smartphones which need an additional physical key and provide fine grained access control over cars.

- Worked on the base platform and various flavors of the project.
- Worked on KeySync Module which allows comparison between vehicle and cloud keys and their states and takes appropriate action to make both states in sync.
- Worked on microservices which expose Rest API's needed for various users to OEM(Server) and OEM to OEM communication and operations.
- Worked on Async processing needed for operation requested through vehicle using messaging queue(KAFKA)
- Worked on cryptography operations like encryption/decryption, signature, hashing, certificate CSR requests, certificate creation, secure communication by signing/verification of payload.
- Worked on Performance bugs debugging for platform.
- Worked on Code reviews, release documentation and process of platform.

Mindtree LTD

Technical Specialist

Senior Software Engineer

Software Engineer

JAN 2022 - OCT 2022

JAN 2020- DEC 2021

FEB 2018 - DEC 2019

MOSIP (Modular Open-Source Identification Platform)

MOSIP is a platform that helps user organizations such as Governments implement a digital, foundational ID.

- Owned and contributed in design (high and low level) and coding multiple modules such as Kernel Base Layer of MOSIP) and Admin (Admin Operations).
- Implemented WebSub (A protocol for distributed PubSub Communication) in the Ballerina programming language which is used by modules for sending events.
- Worked on AUTHZ and AUTHN modules like IAM Adapter,Auth Service
- Worked on core cryptographic operations (Encryption, Decryption, Signature, Hashing and Key Generation and Management) which are used by all the other modules of MOSIP
- Worked on Master Data submodule and Base Dao which has REST based APIs and library functions respectively for all CRUD operations base data required by MOSIP services
- Worked on code reviews, open-source developer documentation, release process and maintenance of 5 Git repositories.
- Worked on numerous POC's to select the optimal technology as per different aspects such as performance, configurability, and flexibility etc which is to be used in MOSIP.

ACHIEVEMENTS

- Won the Harman Automotive Global hackathon.
- Honored by Dame Wendy Hall for outstanding Contribution In MOSIP and CEO of Mindtree as Star Performer.
- Ranked Top 20 in Mindtree in Techie of the Year Contest.
- Received Outstanding Performer Award for 3 Years and Significant Performer for 1 Year .

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EDUCATION

Global Institute of Technology
B.Tech

(69%)

2013 - 2017

Computer Science

SKILLS

Languages

Java

Frameworks

Spring Boot

Spring Data

Spring Security

ORM

Hibernate

Databases

MongoDB

PostgreSQL

MS SQL

VCS

Git

IDE

IntelliJ Idea

Eclipse

VS Code

BUILD TOOLS

Maven

Other TOOLS

JIRA

Confluence