

PROFESSIONAL EXPERIENCE

Hyderabad, IN KONY, INC Jun 2018 – Now

I contribute to design & development of web services which provide design time experience for an end time user. **Workspace as a Service**, acts as design-time repository store to any design-time data authored by Mobile-Fabric user. Following are the features I have worked on:

- **Senior Software Development Engineer**
- 1. **Build Service** – Wrote build orchestration module for Kony Visualizer, which orchestrates Kony App Factory, Kony Viz & AWS, allowing users to build cross-platform mobile apps on the cloud where the build's environment is independent of the host machine of developers without having them worry about the sdk's or the underlying operating system required for the build.
- 2. **Stub Connector** – Added support for Mock Service, to enable developers to test their back-end responses for their integration services even when the actual back-end endpoint is down, saving them nearly around 2 – 3 hours daily getting wasted from re-deployment and ops work.
- 3. **Kony Fabric Service Merge** – Designed and developed a tool to merge two Kony Fabric service zips for internal teams consisting of 50 developers, which helped reduce their development time by 40%, enabling them to quickly deliver mobile apps to customers.

Hyderabad, IN KONY, INC Sep 2017 – Jun 2018

- **Software Development Engineer**
- 1. **App Versioning** – With this feature added the capability for Mobile Fabric Clients to have a seamless switch to a new version of the backend app with zero down time.
 - Owned and Orchestrated the complete testing and development of app versioning feature across Mobile Fabric components. Accounts Service, Dev Portal, Auth Service.
 - Did a thorough analysis of the entire code base to figure out the areas which need the changes to enable versioning for the mobile fabric app. Especially in the publish area, where we push the design time artefact to runtime.
 - Wrote design docs explaining all the areas where changes are required with changes to request and response structure.
- 2. **Test as a Service** – With this feature added the capability for Mobile Fabric to test the configured integration services directly from MFConsole without having the need to publish to an actual runtime.
 - Migrated the complete testing of all the Integration service to directly call actual runtime environments.
 - Did a complete research for all the required areas which changed as this was a very big migration as the code base was tightly coupled to the older API. Refactored code to be more flexible
 - Cleaned up the backend code base to remove the dependencies required for to support in-house testing of service using an internal driver to simulate the runtime.
- 3. **API Proxy Integration Service Enhancements** – With this feature added support to quickly test the integration services having an endpoint or a Swagger documentation which helped the demo team to quickly show the proof of concept for Mobile Fabric based applications.
 - Added support to API proxy service to be able to upload a Swagger file to load all the configured operations automatically make them available for testing on the fly.
 - Reused the code which I refactored as part of the **Test as a Service** feature to provide support for the request and response generation.
- 4. **Mobile Fabric Command Line (MFCLI) Enhancements** – With this feature, Kony Viz. Studio used this new version of MFCLI to build MF App and publish to a runtime. Also maintaining backward compatibility for Viz. with older version don't break when targeting against our newer cloud.
 - Added commands to support import/export of apps and services.

- Added command to support app versioning features from mfcli like publish, unpublish, publish cancel, publish status, generate doc and app info command.

Hyderabad, IN

KONY, INC

Aug 2016 – Sep 2017

• **Associate Software Engineer (Internship).**

Features I worked on during my internship

1. App Validation Framework

- Designed a complete app validation framework to check the integrity of Mobile Fabric app to ensure all the assets are present before proceeding export.
- Wrote in a completely extensive way so that it can be used in future to add more validator to the Validate workflow.
- Provide support to select the list of validators and run selective integrity check.
- Wrote RESTful web services to expose this framework which can be used by frontend and automation tools to check the integrity of app at build time.

2. Apps Import and Services Import and Export

- Developed the completed UI for importing the Mobile Fabric Apps and Services.
- Integrated with the backend for the conflict detecting for the depending assets during the import process.
- Updated the backend APIs which required changes for the import/export. Contributed to the refactoring of the code base to actually break down the import and export monolithic API to actually follow a workflow which can be run in both asynchronous and synchronous mode.
- As part of this feature we also enabled service based, import/export. i.e enabling a service itself to be exported and imported back to the API Management as independent entities.

3. Owned complete testing and analysis before release for one of the nine topology matrices.

4. Managed test automation and wrote unit tests and E2E tests for MFConsole on-premise and cloud.

Other Responsibilities

1. Provide appropriate support to team members. Actively participate in peer code/design reviews.
2. Promptly response to customer related issues, provide hotfix etc. and address CI build failures.
3. Managing the complete reporting and analysis of the automation runs across all the 11 topologies for Mobile Fabric Components on a weekly basis.

ADDITIONAL EXPERIENCE AND AWARDS

- **YouTube Channel:** Teaching Design Patterns in Java. Planning to add other topics also.
- **Udemy Instructor:** 3 Video courses on Design Patterns with over **5000+ students**.
- **Competitive Programming:** Coding on sites like www.hackerrank.com (JAVA)

LANGUAGES and TECHNOLOGIES

Languages: Java, JavaScript, HTML, CSS

Testing Frameworks: Junit, Mockito, TestNG

Technologies: Spring framework, Jersey, Hibernate, AngularJS, ReactJS, MySQL

Tools: GIT, Maven, Jenkins CI, Flyway

Operation Systems: Windows, Linux

STRENGTHS

- Good in **Design Patterns** and **Clean Coding**.
- Good at thinking in a **Functional Programming Paradigm** improve code readability and cleanliness.
- Good understanding of **Data Structures** and **Algorithms**.
- Strong **Object-Oriented Design** skills.
- Known for excellent problem solving and troubleshooting skills.
- Well versed in **Test Driven Design**.
- Familiar with working in an **Agile** environment with **Scrum** Model.

EDUCATION

Ambala, IN	Maharishi Markandeshwar University	Fall 2013 – May 2017
<ul style="list-style-type: none">• B. Tech. in Computer Science Engineering, May 2017. In-major CGPA: 8.6.		
Bihar, IN	S.K.P Vidya Vihar, CBSE	Fall 2011 – March 2013
<ul style="list-style-type: none">• Completed Higher Secondary Education, March 2013, with 75%.• Completed Senior Secondary Education, March 2011, with 7.6 CGPA.		

PERSONAL DETAILS

Date of birth: 4/Dec/1995	Languages: English, Hindi	Nationality: Indian
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SOCIAL PROFILES

GitHub: <http://www.github.com/Chiranjivee>

Udemy: <https://www.udemy.com/user/chiranjivee-thakur/>

Twitter: <http://www.twitter.com/cjthecipher>

LinkedIn: <http://www.linkedin.com/in/chiranjivee>

Stack Overflow: <http://www.stackoverflow.com/users/4912803/chiranjivee-thakur/>