

Rivu Chakraborty

<https://rivu.dev>

EXPERIENCE

BYJU'S The Learning App (Think & Learn Pvt. Ltd.), Bengaluru - Sr. Software Engineer (Android)

September 2018 - PRESENT

As Sr. Software Engineer at BYJU'S The Learning App, I work on different features Sprint wise, some times as individual contributor and sometimes as Group Lead for the particular feature, depending on the complexities of the particular feature / feature-set. My responsibility includes estimating the scope of work and required timeline at the beginning of the sprint, dividing the whole feature task wise and distributing them within the team assigned for the feature.

At BYJU'S I'm also responsible for the restructuring of the app, moving from a tightly coupled and poorly implemented MVP to a redux approach. I'm also leading the process of moving the codebase to Kotlin. We're taking a slow approach there, both for re-architecture and for moving codebase to Kotlin, if a new feature is added, or if an existing feature truly needs re-writing, we do it with new architecture and Kotlin, otherwise, we keep the existing one.

Indus Net Technologies Pvt. Ltd., Kolkata - Sr. Software Engineer (Android)

November 2017 - September 2018

My primary role at Indus Net Technologies is as the senior-most Android developer, regularly mentor junior devs, conduct internal sessions with the whole team for knowledge sharing. Also continuously contribute to projects as a Sole Contributor / Group Lead as required by the Project Managers.

Max Mobility Pvt. Ltd., Kolkata - Sr. Software Engineer (Android)

January 2017 - November 2017

Played the role of Sr. Software Engineer at MaxMobility Pvt. Ltd. while contributing to numerous projects as a sole contributor and/or as Group Lead, I was also responsible for mentoring junior Android devs and onboarding new joiners in the team.

Mass Software Solutions Pvt. Ltd., Kolkata - Sr. Apps Developer (Android - Native)

June 2016 - January 2017

While working as Sr. Apps Developer (Android - Native) at Mass Software Solutions Pvt. Ltd., contributed to numerous projects as a sole contributor and/or as Group Lead (I lead small teams of Android Developers for projects)

Codezin Technology Solutions Pvt. Ltd., Kolkata - Software Engineer (Android)

June 2015 - June 2016

Worked as a team member/solo contributor for the development of numerous Android Projects.

Various Organisations, Kolkata - Computer / Software Development Teaching Faculty Member

August 2012 - June 2015

Worked as a Teaching Faculty Member in various renowned Software Training organizations including CMC Academy (now TCS iON).

Major responsibility in these roles was to train students in various programming languages and technologies, including - Java (Core Java, Enterprise Java), C Programming Language, Android Application Development, PHP, HTML, JavaScript, etc.

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Technical Skill Set

RxJava - Hands-on working experience with Reactive Programming & RxJava.

Kotlin Language - Hands-on experience working with Kotlin in multiple projects along with Coroutines. I wrote multiple books on Kotlin.

Using Kotlin since December 2015.

Database - Knowledge of using SQLite and Room and Realm Databases for persistent local data storage in Android.

Third-Party Libraries - Experience with integration of third-party libraries like Retrofit, Dagger, Glide, Picasso, Gson, Jackson, Fabric, Crashlytics, RxBindings, Social Logins (Facebook, Twitter, Instagram, Google, Instagram, Truecaller), etc.

Architecture Patterns worked with - Worked with MVP, MVVM, MVI, Clean, etc, looked into MvRx as well.

Programming Books (Written by Me)

Reactive Programming in Kotlin - <https://www.packtpub.com/application-development/reactive-programming-kotlin>

Functional Kotlin - <https://www.packtpub.com/application-development/functional-kotlin>

EDUCATION

Basantika Institute of Engineering & Technology (Polytechnic), Ganpur, Birbhum, West Bengal, India – *Diploma in Engineering (Polytechnic) - Computer Science and Technologies*

August 2009 - August 2012

- Completed 3 years Diploma in Engineering [Computer Sc. & Tech] with Distinction

Most Interesting Projects

BYJU'S The Learning App –

https://play.google.com/store/apps/details?id=com.byjus.thelearningapp&hl=en_IN

Details: The primary app of my present organization – BYJU'S (Think and Learn Pvt. Ltd.), worked on various features of this app, including onboarding, Picture In Picture, Journey, Snapbook, as well as in the Premium App Build Flavor of this app.

Frontier Wallet –

<https://play.google.com/store/apps/details?id=com.frontierwallet>

Details: Blockchain wallet app. Worked on UI implementation of different screens, setting up Database (Room), syncing with API, etc. This app follows DB as the Single Source of Truth. I also worked in migrating the architecture from initial MVP to MVVM

Clean Architecture + MVI Sample –

<https://github.com/RivuChk/Android-MVI-Clean-Arch-Sample>

Details: A sample Android app, implementing MVI Architecture Patterns with Clean layer-based multi-module project

Jetpack Compose + MVI Sample –

<https://github.com/RivuChk/Jetpack-Compose-MVI-Demo>

Details: A sample Android app, using Jetpack Compose for UI, MVI as Architecture Pattern, and Spek for testing

BorKnow Learn Bengali Alphabet –

<https://play.google.com/store/apps/details?id=com.massoftind.BorKnow>

Details: Created this project as a showcase project of my then organization: Mass Software Solutions. This is a small project, it was done wholly by me.

Community Attachments / Contributions

Ex-Lead Organiser, Co-organiser – GDG Kolkata

(<https://meetup.com/GDG-Kolkata/>)

Ex-Organiser, Founder – Kotlin Kolkata User Group

(<https://meetup.com/Kotlin-Kolkata-UG/>)

Organizer – DevFest Kolkata '18

(<https://devfest18.gdgkolkata.org/>), DevFest Kolkata '19

(<https://devfest.gdgkolkata.org>)

Volunteer – BlrDroid (<https://meetup.com/BlrDroid/>),

BlrKotlin (<https://meetup.com/BlrKotlin/>), droidcon India '19

(<https://in.droidcon.com/>)

Speaking Activities at multiple meetups & conferences, more details: <https://rivu.dev/public-speaking/>

Hands-On Data Structures and Algorithms with Kotlin

– <https://www.packtpub.com/in/application-development/hands-data-structures-and-algorithms-kotlin>

Certificates

Certified by Google as an Associate Android Developer

(Certification Date: 19/05/2017, will expire on 19/05/2020)

<https://www.credential.net/v5p4oelw>

GitHub:

<https://github.com/RivuChk>