

# Ajay Prabhakar

+91 9515253369 | [ajayprabhakar369@gmail.com](mailto:ajayprabhakar369@gmail.com) | [ajay-prabhakar.github.io](https://ajay-prabhakar.github.io)

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Bengaluru, Karnataka, India

## Objective

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Open source developer, currently focussing in the Mobile development and UI design, Adaptive team player, effective communicator and a leader with demonstrated ability of working in and leading teams. wanted to enhance my skills and always ready to learn new things.

## Experience

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**SDE 1 (IOS & Flutter)**, *Nuclei – Bangalore*

July 2022 - Present

- Spearheaded the development of the **Core SDK for iOS** in Retail Banking Product, Merchant Marketplace. It's live in 14+ Indian Banks (ICICI, BOB, SBI Bhim and more) serving an active user base of over **210k**, with a focus on scalability and performance.
- Leading the **integrations team** of 4 junior developers and 3 business professionals, resolving multiple integration **tech challenges**.
- Developed and launched **Nuclei X iOS** app, an invite-only B2C app to showcase our flagship SDK. Designed and implemented secure front-end and back-end Authentication and Payment flows for seamless integration.
- Migrated the Manual Framework sharing to **Swift Package Manager** (Rolling with top indian banks).
- Boosted the IOS SDK performance by offloading compute-intensive tasks to **background threads**, achieving a **30%** faster initialization time and significantly enhancing user experience
- Built our categories in **Flutter web** categories using **modular architecture**, using FASM SDK(in house SDK) where we are shipping **over the air** updates instead of manual appstore reviews.
- Optimized IOS SDK footprint by **34%**, reducing size from **21MB to 14MB**, increasing adoption rate of the SDK.
- Migrated the iOS SDK from Rest API calls to Swift **gRPC**, using **Combine** Framework in **MVVM Architecture**.
- Built [developer.gonuclei.com](https://developer.gonuclei.com) from groundup using **Opensource** doc tools, reducing dependencies and streamlining documentation access for external developers of SDK
- Streamlined development processes by creating multiple **internal tools** using Slack APIs, Firebase, and ClickUp API

**SDE Intern**, *Nuclei - Bangalore*

Jan 2022 – Jul 2022

- Developed an Automated Recurring Invoice & Subscription Engine SDK using **Flutter Web**.
- Contributed to **FASM** Nuclei's in-house native (Android/iOS) SDK, which addresses the limitations of Flutter Web as a PWA or mobile SDK.

**Flutter Intern**, *Inscriptis - Remote*

Jul - Sep 2020

- Actively involved in developing a Flutter CometChat SDK and associated APIs, a crucial backend tool for enhancing chat application functionality.

**Top Contributor**, *Open Data Kit Organization*

Jul 2019 - Mar 2020

- Recognized as one of the top contributors to the Open Data Kit organization
- participating in **Google Summer of Code** (GSoC) and Outreachy on Android skunkworks project.

**Member and Mentor**, *amFOSS*

Jul 2018 - Present

- Active member of amFOSS, the Free and **Open Source** Software club of my college, participating in and organizing events.
- Mentor juniors, exposing them to new technologies and open source practices.

## Education

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Amrita Vishwa Vidyapeetham, B.Tech in Electronics and Communication

2018 – 2022

- CGPA: 8.78/10

## Achievements

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- Got **1.1k+** GitHub stars for my Flutter UI repository.
- Being an active member of **Flutter Community**, published a in depth article in flutter community medium publication
- Finished as a **runner up** in the **Nuclei Hackathon**, where we built a Slack bot to help automate IT requests.
- Featured on **GitHub Trending** on 25 FEB, 2022.
- Finished as a **runner up** in the **IEEE GovTechThon20**, out of the 100+ teams selected for the hackathon.
- Got selected and attended **3+** of the biggest hackathons held in India (fully travel funded).
- Top contributor to skunkworks-crow and collect projects of Open Data Kit with **60+** contributions made.
- Successfully mentored in Kharagpur Winter of Code (**KWoC**) 2020, 2019 and **JWoC** 2019, which is an open-source contributing competition.
- Invited to **3+** open-source communities as a mentor and **Jury** for a hackathon at Loyola College.

## Projects

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### Awesome flutter UI

[Github](#)

- Made **10+** unique UI designs for mobile apps and 10+ illustrations. Built some of the UIs using Flutter with animations and a good color palette, which can run on both iOS and Android devices.
- **Tools Used:** Figma, Adobe XD, Illustrator
- A Dart package exposing a Color class that can be used to create, convert, and compare colors based on algorithms.
- Tools Used: Dart, Flutter, Algorithms

### Temple App

[Github](#)

- An Android app that handles information about a temple, allowing users to register and keep track of all poojas and donations made to the temple. Core developer and maintainer.
- Tools Used: Java, MVC, Android, Firebase SDK

### Skunkworks-crow

[Github](#)

- An Android app for sharing filled forms stored in ODK Collect from one device to another. Contributed **60+** contributions to the ODK project.
- Tools Used: Java, Kotlin, Android, Dagger, RxJava, MVC, SQLite

## Volunteering

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**MLH Local Hack Day:** Successfully organized a series of 3 events spanning one academic year. Managed Learn and Build events, which were very well received.

**Hacktoberfest Meetup Amritapuri:** Facilitated a 2-day workshop on Open Source through Hacktoberfest by DigitalOcean. Organized on October 9-10, 2019, and guided beginners into Open Source Contributions.

**Programming Essentials Workshop:** Volunteered for a 6-week workshop introducing freshmen to programming fundamentals in C and Python. Provided insights into Open Source Software, Git, and GitHub, led sessions, and mentored 60+ students.

## Computer Skills

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**Languages:** Dart, Swift, Svelte, Typescript, Python, Java (Android), XML, SQL

**Tools:** Android Studio, Xcode, Figma, Adobe XD, Illustrator, Matlab

**VCS:** Git, Mercurial

## Interests

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**Technical:** Mobile Development, UI/UX Designing, Problem Solving

**Hobbies/Interests:** Traveling, Photography, Exploring New food, Cars, Contributing to Open Source