

Ajay Prabhakar

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Bengaluru, Karnataka, India

Objective

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

SDE 2 (IOS & Flutter), *Nuclei* – Bangalore

February 2025 - 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.
- Optimized IOS SDK footprint by **34%**, reducing size from **21MB to 14MB**, increasing adoption rate of the SDK.
- Boosted the IOS SDK performance by offloading compute-intensive tasks to **background threads**, achieving a **30%** faster initialization time and significantly enhancing user experience
- Mentored SDE 1's and interns, provide technical guidance, code reviews, hiring and helped accelerate overall onboarding process.

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

Feb 2022 - Jan 2025

- Migrated the Manual Framework sharing to **Swift Package Manager** (Rolling with top indian banks).
- 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.
- Migrated the iOS SDK from Rest API calls to Swift gRPC, using **Combine Framework** in **MVVM Architecture**.
- Built 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

Sep 2021 – Feb 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.

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

Amrita Vishwa Vidyapeetham, B.Tech in Electronics and Communication

2018 – 2022

- CGPA: 8.78/10

Achivements

- 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

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

Colorcheck Package

[Github](#), [Pub Package](#)

- 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

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

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

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

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

VCS: Git, Mercurial

Interests

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

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