Prakhar Shukla

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EDUCATION

- **Galgotias College of Engineering and Technology**   Noida, India
  GPA: 8.2   *2021 - 2025*

  Courses: *Computer Science and Artifical Intelligence*

- **Spring Dale College**   Lucknow, India
  10+2; GPA: 8.0   *April 2019 - April 2020*

  Courses: *Physics, Chemistry, Maths and Computer Science*

SKILLS SUMMARY

- **Languages**:   Kotlin, C++, JavaScript, TypeScript, Java, Python
- **Frameworks**:   NextJS, Jetpack Components — Android, NuxtJS, VueJS, ExpressJS, TailwindCSS, NodeJS
- **Tools**:   Docker, GIT, PostgreSQL, MySQL, SQLite, Android Studio

EXPERIENCE

- **Lead Developer - Andronix**   [Website]
  Ranks No. 1 on Google Play Store for "Linux" keyword   *April 2019 - Present*
  - **Android App**: Developed the entire Android App using **Kotlin** with **MVVM architecture**. Used libraries like-
    * **Retrofit — OkHttp - Rest API calls & Streaming**:   Reduced debugging time by implementing Retrofit and OkHttp with HttpLoggingInterceptor and Hilt.
    * **Kotlin - Advanced State Management**: Improved the state managment by using **Kotlin StateFlow and Shareflow** in combination with **Coroutines**.
    * **Jetpack Components — Navigation, Data and Dependency Injection**: Used **Navigation Components** for navigation with single-activity principle. **Jetpack DataStore** and **Jetpack Hilt** has been used for data persistence and dependency injection respectively.
  - **Backend**: Developed the backend of Andronix to handle download requests at scale
    * **TypeScript and Integration tests**: Refactored the code to Typescript and increased the coverage to over 80%. Used Firebase emulators to further increase the integration test coverage to 78% from 0%.
    * **Microservices**: Modularized the API into Internal, Commerce, and Product APIs and reduced the time spent on maintenance.
    * **Dev-Ops**: Implemented **CI/CD pipelines** for automated Unit/ Integration testing and deployment using **GitHub Actions**.
  - **Frontend**: Developed the frontend of the Andronix app's websites with **NuxtJS** and **VueJS**, styling them with **TailwindCSS**.
    * **UI/UX**: Designed the websites from scratch using Adobe XD and coded them in a modular approach.
    * **End-to-end testing with CypressJS**: Implemented automated End-to-end testing using **CypressJS**.
    * **Finance and Commerce management**: Added RazorPay with custom implementation of **discount coupon handling** using Firebase and receipt emailing.
- **Lead Developer - GramFlow**   [Website]
  App to help selling rapidly on Instagram with Automated Orders, Shipping and Accounting   *April 2023 - Present*
  - **Web App**: Developed the web-app using **NextJS 13** along with **React Server Components**, **TailwindCSS**, **NextJS Functions**, **Postgres**, **Prisma** and **Turbo Repo with Pnpm Workspaces**. Then app contains a client app and an admin app.
  - **Increased Efficiency and Order Throughput**: The app helped instagram pages to ship **64%** more orders in the same time.

PROJECTS

- **Andronix**: Android app that let's you install Linux distributions like Ubuntu, Manjaro, Debian, Arch etc. on un-rooted Android devices. Over **1,000,000** downloads and over **100,000** monthly active users from USA, India, Russia, Germany etc.. Andronix **ranks #1** on the Google Play Store for the Linux keyword.

  Links: [*Github*] , [*Website,*] [*Live Demo*]

- **GramFlow**: This is a web app that lets Instagram sellers sell their items rapidly and effiiciently by automating the sales, order management, notifications, shipping, accounting and invoicing.
  The sellers can view the order via their dashboards and the users have their separate app.

  Links: [*Website*]

- **WhenWhereWhat- Work in Progress**: It is an app that lets you share a calendar link that can allow the viewer to save the event to any of the supported calendars. With this feature, users don't have to go through the hassle of manually adding events to their calendar. They can simply click on the link and the event will be added automatically.

  Links: [*Website*]

- **MakeMeCode- Work in Progress**: Makemecode is an app that lets users track their progress on Leetcode and other coding websites. Users can submit their solutions with a click using the chrome extensions. They can set a daily targets, get reminders and even track thier friends. Users can also AI generate necessary notes for revision along with a PDF of all the information.

  Links: [*Website*]