

Pushkar Agnihotri

Software Engineer/Android Developer

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SUMMARY

- Software Engineer with 4 years of experience building scalable and high-performance applications.
- Experienced in developing and maintaining high-quality Android applications with a strong focus on clean architecture and best practices.
- Proficient in developing and maintaining high-performance web applications using JavaScript, Node.js, and React.
- Pursuing a Master's in Computer Science to deepen expertise in advanced algorithms, software architecture, and backend engineering.

WORK EXPERIENCE

Carnot Technologies Private Limited, India | Senior Software Engineer Jan 2021 - July 2024

- Led a team of developers in adopting **Model View ViewModel Architecture** for three projects, leading to a 9% reduction in development time, a 15% improvement in code quality, and saving significant cost.
- By converting the app into a **Multi-Module** project, we streamlined its structure, improved code maintainability, and facilitated independent testing, which achieved over 1 Million downloads on the Google Play Store.
- Enhanced user experience and application resilience by implementing **offline-first** functionality. Refined data models for efficient local storage and synchronized data with a backend server using **WorkManager**, ensuring seamless operation even in low-connectivity environments.
- Developed a unified internal **SDK** for themes and standard UI components, ensuring consistent design and branding across the company's apps.
- Integrated **Firebase** and other customer engagement platforms to track user behavior, analyze user segmentation, and personalize user experiences.

Software Engineer (Android)

- **Gradle Version Catalogs** were introduced to simplify and standardize **Dependency Management** across a **Multi-Module** project. This approach centralized dependency definitions, ensuring consistent versioning and reducing maintenance overhead for 11 active modules, ultimately improving project scalability and developer efficiency.
- Executed the seamless **Integration of a third-party application**, achieving a remarkable 90% reduction in development time, which allowed for the rapid deployment of new features and enhancements to existing products.
- Leveraged the **Baseline Profile** method to pre-compile critical app code paths, reducing average app startup time by 27%. This optimization minimized perceived load times, enhancing user experience and significantly boosting user engagement.
- Successfully migrated the project from **Java** to **Kotlin** and **RxJava** to **Kotlin Coroutines**, resulting in cleaner, more concise, and more Kotlin-idiomatic code.

ElasticRun, India | Software Engineer Intern

Jun 2020 - Jan 2021

- Contributed to projects utilizing **ERPNext**, an open-source **ERP** system built on **Python**-based server-side framework **Frappe** framework, gaining valuable experience in enterprise software solutions.
- Ensured smooth software operations by conducting thorough **sanity testing** and efficient software deployment, contributing to overall system stability and enhanced customer satisfaction.
- Proactively addressed technical issues by effectively troubleshooting and managing support tickets, demonstrating strong problem-solving skills and a commitment to excellent customer service.

CONTRACT WORK

JIN Reflexology, India | Software Developer

Mar 2020- Jun 2020

- Developed and launched a native **Java** Android Application accompanying the website for Jin Reflexology, which provides onboarding patients, appointment management, diagnosis, and other solutions.
- Successfully managed all aspects of the freelancing project, from initial concept and design to development, testing, and deployment.

Yog Sadhna Varga, India |Web Developer

Feb 2020 - Mar 2020

- Developed a **Progressive Web App (PWA)** yoga website using **React.js** to provide a seamless and engaging user experience.
- Implemented responsive design to ensure optimal performance across various devices and screen sizes.
- Modern web technologies, including **HTML5**, **CSS3**, and **JavaScript**, created a visually appealing and interactive interface.
- Optimized the PWA for offline functionality, allowing users to access content without an internet connection.

TECHNICAL SKILLS

Language: Kotlin, Java, JavaScript, Python, SQL

Frameworks: React.js, Node.js, Express.js, Next.js, Gatsby.js

IDEs: Android Studio, Visual Studio Code, IntelliJ Idea, Fleet

Tools/Database: MySQL, MongoDB, Room DB, Realm DB

Cloud Technologies: AWS, Google Cloud, Firebase

Software/Other Skills: Kotlin Coroutines, RxJava, RxAndroid, Retrofit, Dependency Injection, XML, REST APIs, GraphQL, Gradle, Software Architecture, Software Development, Jira, Scrum, Git, Agile, Confluences, Critical Thinking, Presentation Skills, Problem-solving, Communication Skills,

Operating System: Windows, Linux

EDUCATION

Califonia State University, Fullerton, USA

Aug 2024 - May 2026

Master of Science, Computer Science (Software Engineering Minor)

Coursework : (Advanced Algorithm, Software Architecture, Modern Software Maintanices, Web Back-End Engineering)

Government College of Engineering Aurangabad, Maharashtra, India

Aug 2016 - May 2020

Bachelor of Engineering, Computer Science