Pushkar Agnihotri
Software Engineer/Android Developer

Fullerton, CA | **agnihotripush@gmail.com** | **+1 714-519-7182** | **LinkedIn | GitHub**

EDUCATION

California State University, Fullerton, USA   *Aug 2024 - May 2026*
Master of Science, Computer Science (Software Engineering Minor)
Coursework: (Advanced Algorithm, Software Architecture, Modern Software Maintenances, Web Back-End Engineering)

Government College of Engineering Aurangabad, Maharashtra, India   *Aug 2016 - May 2020*
Bachelor of Engineering, Computer Science
Coursework: (Data Science, Big Data Analytics, Natural Language Processing, Data Mining and Warehousing)

WORK EXPERIENCE

Carnot Technologies Private Limited, India | Senior Software Engineer   *Jan 2021 - July 2024*
- Led a team of developers in adopting **Model View View-Model Architecture** for three projects (Krish-e: kheti ke liye app, Krish-e Smart kit, Krish-e Takneek plot), leading to a 9% reduction in development time, a 15% improvement in code quality.
- Redesigned the app as a **multi-module project**, optimizing its structure, boosting maintainability, and enabling independent testing, contributing to over **1 Million downloads** on Google Play.
- Enhanced user experience and application resilience by implementing **offline-first** functionality. Also, 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, CleverTap, UXCam, Bugsee** and other customer engagement and performances platforms to monitor user behavior, analyze segmentation, and deliver personalize user experiences, enhancing app performance and user satisfaction.

Software Engineer (Android)
- Implemented **Gradle Version Catalogs** to simplify and standardize dependency management across all projects, centralizing definitions for 11 active modules, ensuring consistent versioning, and enhancing 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, utilizing **PostgreSQL** as the backend database to ensure scalable and reliable patients onboarding, appointment management, diagnosis, and other solutions.
- Successfully managed all aspects of the freelancing project, from initial concept and design to development, testing, and deployment.
- Integrate PayPal **Payment SDK** into app to enable fast, secure, and convenient payments, streamlining the user checkout process.

Yog Sadhna Varga, India |Web Developer   *Feb 2020 - Mar 2020*
- Implemented responsive design to ensure optimal performance across various devices and screen sizes.
- Developed a **Progressive Web App (PWA)** yoga website using **React.js** to provide a seamless and engaging user experience.
- 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: Figma, Jira, Confluence, Postman, Git
Database: MySQL, PostgreSQL, MongoDB, Room DB, Realm DB
Cloud Technologies: AWS, Google Cloud, Firebase
Software/Other Skills: Kotlin Coroutines, Jetpack Compose, Retrofit, Ktor, Dependency Injection, Dagger Hilt, Koin, RxJava, RxAndroid, LiveData, DataStore, Paging3, Navigation Component, Coil, ExoPlayer, LeakCanary, Asynchronous Programming, UXCam, Bugsee, Firebase Analytics and Crashlytics, XML, JSON, REST APIs, GraphQL, Gradle, SOLID Principles, Software Architecture, Software Development, Material Design, UI/UX Design, Wireframing, Prototyping, Scrum, version control, Agile, Critical Thinking, Presentation Skills, Problem-solving, Technical Documentation, Communication Skills.