

YATIN I. DEOKAR

SENIOR SOFTWARE DEVELOPMENT ENGINEER

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Portfolio | GitHub | Medium

PROFESSIONAL SUMMARY

Senior Software Development Engineer with **10 years of experience** architecting high-performance Full-Stack Mobile, Web, and Desktop applications. Expert in System Design, Agentic AI Flow creation, and Cross-Platform ecosystems (Flutter, React Native). Proven track record in automating SDLC processes using AI Agents and delivering secure, enterprise-grade solutions for Finance, Logistics, and SaaS industries.

TECHNICAL PROFICIENCY

Languages	Flutter (Dart), Kotlin, Java, Python, React Native, TypeScript + JSX (React), HTML, CSS, SQL
AI & Automation	AI Agent Creation, Agentic Flow, GitHub Actions, Buildkite
Architecture	BLoC, Getx, Provider, MVVM, Clean Architecture
Cloud / Database	Firebase, AWS, SQLite, MySQL, Realm DB, Hive DB, SharedPreferences, Secure Storage
Tools	Git, Figma, CI/CD, Google Vision API(ML-Kit), Figma MCP
Testing & Debugging	Unit Testing, Widget Testing, Integration Testing, E2E Automation Testing (Patrol), BrowserStack, Mockito, New Relic, Firebase Crashlytics
Security	Code Obfuscation, Encryption, SSL Pinning, Secure Storage

PROFESSIONAL EXPERIENCE

Highspot India

May 2024 – Present

Senior Software Engineer-Tech Lead (Mobile & AI)

Flutter GetX Desktop Web Android iOS Python React AI Agent GitHub Actions BuildKite

- Content Management Platform:** Developed a comprehensive sales enablement application allowing representatives to create, upload, share, and present content, conduct and record meetings (audio & video), manage training modules, create groups, search within content, and mark assets for offline viewing.
- AI Agentic Flows:** Built "Unity," an automated AI Agent using Python for unit test generation and fixing. Integrated with GitHub Actions to achieve maximum unit test coverage.
- Offline File Encryption:** Implemented secure encryption for offline-stored media files, ensuring data protection across all platforms.
- Custom UI Widget SDK:** Created a reusable UI component SDK to accelerate development and enforce visual consistency across the application.
- Pixel-Perfect UI:** Leveraged Figma MCP for precise, pixel-perfect UI component creation matching design specifications.
- Firebase Integration:** Configured Firebase Remote Config for app update enforcement and Firebase Cloud Messaging for push notifications.
- E2E & Unit Testing:** Authored end-to-end automated test cases using Patrol and BrowserStack, alongside comprehensive unit tests for code reliability.
- Monitoring & Analytics:** Integrated New Relic for error detection and performance monitoring, and Amplitude for user behavior analytics.

- **CI/CD Pipeline:** Designed and implemented continuous integration and delivery pipelines using BuildKite for automated builds and deployments.
- **Cross-Platform Support:** Delivered a single codebase with responsive UI supporting Android, iOS, Desktop (Windows & macOS), iPad, and Tablet form factors.
- **Multilingual Support:** Implemented internationalization across the application, supporting 25+ languages for a global enterprise user base.

Deloitte India

Aug 2023 – May 2024

Senior Flutter Consultant

Flutter GetX Android iOS

- **Worker Safety Platform:** Built the "Aatmunn App," an IoT-integrated platform for real-time monitoring, incident management, and data analytics, enhancing industrial safety operations.
- **Real-Time Communication:** Implemented socket-based connections for instant reporting and live data streaming across the platform.
- **IoT Device Integration:** Developed Classic Bluetooth connectivity modules for seamless pairing and communication with industrial IoT devices.
- **Dynamic UI SDK:** Engineered a server-driven UI SDK enabling runtime customization of app interfaces without client-side releases.
- **Map Visualization:** Integrated advanced mapping features including heatmaps, marker clustering, and custom marker rendering for spatial data analysis.

Reliance JIO

Oct 2021 – Aug 2023

Team Lead

Flutter BLoC GetX Android iOS Flutter Web

- **HR Portal Application:** Developed a unified cross-platform app (People First) integrating attendance marking, reimbursements, payroll, and approvals using Flutter.
- **Architecture & Performance:** Leveraged BLoC, GetX, and Clean Architecture to build a seamless, high-performance application serving 100k+ employees.
- **Team Leadership:** Led a team of 20 engineers and mentored interns, driving project delivery and knowledge sharing across the mobile division.
- **Real-Time Location Tracking:** Implemented Google Maps-based live location tracking for employee field operations and logistics coordination.
- **Flutter Web Platform:** Built a web application for task management and interactive floor plan design, extending the mobile ecosystem to desktop browsers.
- **Custom SDK Development:** Created and integrated custom native Android and iOS SDKs with Flutter using platform channels, enabling access to platform-specific capabilities.

Birlasoft Ltd

Jan 2021 – Oct 2021

Flutter Specialist

Flutter Android iOS

- **Inventory Management App:** Developed a cross-platform inventory management application for clients to track stock levels, shipments, and warehouse operations in real time.
 - **QR Code Module:** Implemented QR code generation and scanning functionality for rapid inventory identification and asset tracking.
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Freightbro Logistic Pvt Ltd

Nov 2019 – Jan 2021

Mobile Application Developer (Android & iOS)

Flutter BLoC Provider Android iOS

- Developed the Freightbro Shipment Booking App(Freightify), enabling users to create quotations, inquiries, and book container.

IDFC First Bank Limited

Aug 2018 – Oct 2019

Assistant Manager (Android App Development)

Java Kotlin Android Firebase

- **Core Banking Apps:** Engineered IDFC FIRST PD, Customer App, and Loan Disbursement App using Native Android (Kotlin/Java) with secure Retrofit caching and MVP architecture.
- **Offline-First Storage:** Implemented data persistence using Realm Database, ensuring seamless user experience in low-connectivity environments.

Tantragyan Technology Pvt Ltd

Jun 2016 – Aug 2018

Android Developer

Java Android Firebase Google Auth ML Kit

- **Sales CRM Platform:** Built "Sales Tantra CRM," a cloud-based application that automates the complete sales process, helping salespersons manage their sales funnel end-to-end.
- **Native Android Development:** Developed native modules using Java with Google Firebase for real-time data sync and push notifications, and SQLite for offline data persistence.
- **Image Processing & Design:** Integrated Google Vision API for image processing features and designed UI/UX prototypes in Figma for rapid iteration.
- **API & Version Control:** Implemented RESTful API integrations and Git-based version control workflows for collaborative development.

KEY PROJECTS & OPEN SOURCE

- **Unity AI Agent** – Developed Python-based automation for writing and fixing unit tests for selected files and with GitHub Actions on PRs.
- **Open Source Libraries** – Created and published Button Animation Library and Multi-Selection Dropdown Library on GitHub, Dynamic UI SDK.
- **Technical Writing** – Regularly publish articles on Medium on Dynamic Multi-Forms in Flutter and Unique Flutter Widgets.
- **Personal Finance Tracker** – Built an investment management app with Google Sheets integration using React and Tailwind CSS, featuring Firebase Authentication and hosted on Firebase with Firebase MCP.

EDUCATION

B.E. (Information Technology) – Mumbai University

2016 | CGPA: 7.37

HSC – Maharashtra State Board

2012 | 63.33%

ADDITIONAL INFORMATION

Languages: English, Hindi, Marathi • **Interests:** UI/UX Design, Painting, Crafting, AI exploration, Web Development