

# YASHRAJ TIWARI

Software Engineer • Mobile & Edge AI

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## SUMMARY

Software Engineer with professional experience designing, building, and maintaining production applications for Android, iOS, Android TV, and the web using Flutter. Experienced across the complete software development lifecycle, including architecture, feature development, backend integration, testing, deployment, and long-term maintenance.

Regularly use AI-assisted development tools for research, architecture exploration, debugging, documentation, and rapid prototyping while maintaining ownership of implementation, testing, and code quality.

Outside of professional work, actively exploring embedded systems, edge AI, and on-device machine learning through personal projects focused on intelligent software running on resource-constrained devices.

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## EXPERIENCE

### Proxie Studio Pvt. Ltd.

App Development Engineer II

August 2026 – Present

- Design, develop, test, deploy, and maintain production software products.
- Lead implementation of new application features while ensuring reliability and maintainability.
- Collaborate with designers, stakeholders, and backend teams to deliver production-ready solutions.
- Improved application reliability and performance through debugging, testing, and continuous optimization.

Software Engineer

June 2025 – July 2026

- Developed and maintained cross-platform Flutter applications for Android, iOS, Android TV, and the web.
- Implemented new features, integrated REST APIs, and improved application performance.
- Participated throughout the software lifecycle from development through deployment and maintenance.
- Worked closely with clients and internal teams to translate requirements into production software.

Software Developer Intern

January 2025 – May 2025

- Contributed to the development of Flutter applications for Android and iOS.
- Implemented UI components, fixed bugs, and assisted with feature development.
- Integrated REST APIs and gained experience with production software development workflows.
- Collaborated with senior developers during testing, debugging, and deployment.
- Successfully completed the internship and transitioned into a full-time Software Engineer role.

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## SELECTED PROJECTS

### Blind Companion

Flutter • Android • iOS • AI Accessibility

[App Store](#) • [Play Store](#)

Developed an AI-powered accessibility application for visually impaired users.

- Built the Flutter application from concept to production.
- Integrated camera capture, speech-to-text, AI-powered image understanding, text-to-speech, and multilingual support for an accessible voice-first experience.
- Designed an accessible user experience optimized for voice interaction.
- Integrated RevenueCat subscriptions and managed production deployment and maintenance.

## Digital Signage Platform

Flutter • Android TV

[Play Store](#)

Developed an Android TV digital signage platform for remotely managing commercial displays.

- Built media playback and scheduling functionality.
- Implemented offline caching and remote content synchronization.
- Optimized storage and network usage for reliable long-running deployments.
- Designed around backend limitations to minimize bandwidth usage.

## Session Pilot OPS

Flutter • Android • iOS

[Play Store](#)

Maintained and enhanced the mobile application for an internal business operations platform.

- Integrated the existing web platform into a Flutter mobile application.
- Implemented platform-specific functionality.
- Managed application updates and production releases.

## PuppetLogger

Dart • Open Source

[pub.dev](#) • [github](#)

Created an open-source logging package for Flutter and Dart providing structured, colorful console output to improve debugging during development.

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## SKILLS

### Languages

Dart • Python • C • C++

### Mobile

Flutter • Android • iOS

### Exploring

Embedded Systems • Linux • Edge AI • Machine Learning

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## EDUCATION

### Master of Computer Applications (MCA)

MIT-WPU (Vishwanath Karad MIT World Peace University)

2023 – 2025

### Bachelor of Science in Computer Science

K. M. Agrawal College

2020 – 2023