

Syed Ibrahim T

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SUMMARY

Python Full-Stack Developer with nearly 2 years of experience building scalable web and mobile applications using Django. Strong in API development, database design (PostgreSQL, MySQL), and AWS deployments. Experienced in integrating AI-driven features and working with modern AI tools. Also skilled in mobile development across Android (Kotlin), iOS (Swift), and cross-platform frameworks such as Flutter and React Native.

EXPERIENCE

Fullstack Developer Testpress Tech Labs

July 2024 - Present, Chennai

- Developed scalable backend services and REST APIs using Django and Django REST Framework.
- Built and maintained mobile SDKs across Android, iOS, React Native, and Flutter.
- Designed modular Flutter applications improving maintainability and scalability.
- Led client onboarding and large-scale content migrations, working closely with clients.
- Improved CI/CD pipelines for more stable and reliable releases.

PROJECTS

TPStreams (Django Video Streaming Platform)

- Developed backend features using Django for analytics, player branding, and platform customization.
- Implemented interactive playback features such as overlays and hotkey controls.
- Led client onboarding and bulk content migrations from external platforms, ensuring smooth integration and adoption.
- Troubleshoot client integrations and resolved bugs (including authentication/token handling), improving platform stability.

TPCaptions (AI Subtitle Generation Service)

- Built a Whisper-based subtitle generation system with multilingual support.
- Developed GPU-accelerated Celery backend for scalable processing.

Lumberjack (Django Transcoding Backend)

- Worked on Django + Celery + FFmpeg based transcoding system.
- Optimized task handling and improved system reliability.

Cross-Platform Player SDKs (Android, iOS, React Native)

- Developed SDKs for Android (ExoPlayer), iOS(AVPlayer), and React Native.
- Implemented DRM (Widevine), offline playback, and custom player UI.

Testpress LMS Flutter App (Modular Architecture)

- Built modular Flutter app using repository pattern and provider state management.
- Implemented caching strategies and optimized critical flows

SKILLS

- **Languages:** Python, JavaScript, Kotlin, Swift, Dart
- **Frameworks & Libraries:** Django, Django REST Framework, Flutter, React Native, LangChain
- **Backend & Databases:** REST API Design, PostgreSQL, MySQL, Redis
- **Mobile Development:** Android, iOS, Cross-platform development
- **DevOps & Tools:** AWS, Git, GitHub Actions, CI/CD
- **Asynchronous & Processing:** Celery
- **Video & Streaming:** ExoPlayer, DRM (Widevine), Video Streaming, CDN (AWS CloudFront)
- **AI & Tools:** OpenAI-Whisper, AI-driven development

EDUCATION

- **BE. Computer Science and Engineering** | K.S.R College of Engineering | CGPA 8.10 | 2021 - 2024
- **Diploma in Mechanical Engineering** | Al-Ameen Polytechnic College | 77% | 2015- 2018
- **SSLC** | EKM Islamiah Higher Secondary School | 81% | 2014-2015