Kiran Chand Chalasani
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EDUCATION
JNTU Kakinada
Velagapudi Ramakrishna Siddhartha Engineering College   Vijayawada, India
Bachelor of Engineering, Information Technology   Apr 2016
GPA: 7.2/10.0

EXPERIENCE
Tata Elxsi Limited   Bangalore, India
Senior Software Engineer   Apr 2021 – *Dec 2022*
DStv mobile application:
- Led design thinking and development of the "Continue Watching" carousel feature and "You may like" content on the home screen resulting in increased viewership and enhanced user engagement.
- Reduced API calls by 50% and optimized the home screen responsiveness by implementing an efficient pagination approach integrating Paging 3 library.
- Led the software architecture design upgrade from MVC(Model-View-Controller) to MVVM(Model-View-ViewModel) and codebase migration from Java to Kotlin.

Apalya Technologies Pvt Ltd   Hyderabad, India
Software Engineer   May 2019 – Apr 2021
- Developed the mobile application that streams content for Sun NXT, a video-on-demand service for Sun TV network serving 9 million customers in India.
- Co-led a team of 4 to create android TV application for Sun NXT. Incorporated config-based approach into application development for Android TV and Fire TV Stick.
- Standardized the search functionality across ~18 languages. Enabled seamless display of content and images in carousels using Retrofit to fetch data and Glide to display images.
- Exoplayer, auto-play recycler view, and Widevine DRM were used to enhance the video viewing experience for DASH and HLS material while simultaneously boosting security. Additionally, I enabled adaptive bitrate and audio format switching while playback was in progress.

Prodeco Technologies   Hyderabad, India
Software Engineer   Dec 2018 – May 2019
- Developed a launcher for Set Top Box using leanback component to enable seamless user interaction. Improved the search functionality by enabling voice-based search.
- Added client-side payment gateway, Ad playback, utilizing user location data for targeted Ad display. Additionally, I ensured seamless focus handling within the application.

Nexar Labs   Vijayawada, India
Software Engineer   July 2016 – Aug 2018
- Led the research, design and development download and playback manager for music and video on-demand content streaming (leveraged BitTorrent protocol).
- Enhanced media controller functionality with features like shuffle, continuous playback, and playlist functionality like Create, Remove, Rename, Add song to playlist by creating wrappers.

ACTIVITIES & LEADERSHIP
Badminton
- Placed 1st among 5 colleges representing the undergraduate college in the university level badminton tournament held at JNTUK in Nov 2015.

Technical Skills
- Android, Java, Kotlin, OTT, GIT, JSON-RPC, MS Office, Agile, Project Management,