Bely Xiong (Green Card Holder)

Seeking for : Android Automotive Development | Android Architect | Android Team Lead | Java/C Programing
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About me

Seasoned software developer with 23 years of extensive experience in software development, with a focus on Android automotive development for the past 10 years. Skilled in leading teams, optimizing media applications, and delivering high-performance solutions on diverse infotainment platforms. Actively seeking opportunities as an Android Architect, in leadership, or senior developer roles within forward-thinking organizations.

Education

University of Electronic Science and Technology – BS in Computer Science   Jul 2001
University of Illinois Springfield – MS in Computer Science   Jun 2020

Skills

Languages: Android, Java, C, Python, PHP, JS, HTML/CSS, Bash
Databases: MySQL
Libraries: OkHttp, Glide, Gson, Zxing, LiveData, ViewModel, Room
Tools & Technologies: Git, Android Studio, Eclipse, Ubuntu, Confluence, Jazz, NEC flasher, AX8, Intel flash tool, Audacity, TeraTerm, Putty, VNC, PCAN-View, Diaglyser

Experiences

Principal Engineer, Harman International (Previous Symphony Teleca, acquired by Harman)   Sep 2013 – Present
- Spearheaded a team of 5+ in the development and optimization of Android media applications.
- Facilitated seamless cross-functional collaboration by coordinating between various teams including HMI, Tuner, VR, UX, and Media.
- Successfully integrated third-party apps and enhanced media application functionality and compatibility.
- Mentored and guided team members to achieve project goals and meet deadlines.

Manager (Self-employed), Chengdu Beiyue Technology Ltd   Jul 2012 – Aug 2013
- Established and led a team of 6 individuals.
- Assigned tasks and responsibilities to team members.

Senior Software Engineer, Teleca Chengdu Ltd (Merged to Symphony Teleca)   Feb 2010 – Mar 2012
- Implemented solutions to resolve technical issues with Galaxy serial android phones.
- Led company's first android development at customer site.
- Conducted comprehensive android training for a team of over 20 members.

Test Department Manager, Chengdu CoomoSoft Ltd   Mar 2008 – Dec 2009
- Coordinated task assignments and managed team performance.
- Conducted in-depth requirement analysis and oversaw test case management.

Embedded Software Engineer, Beijing Coretek Systems Ltd (Acquired by Esmertec at 2005)   Oct 2001 – Feb 2008
- Developed Native Graphical User Interfaces, Display Drivers, and Feature Phone Applications
- Implemented SyncML Client for the Initial Version of Android

Notable Projects

PSA R2 Infotainment(CAROSU RX)   Jan 2024 - Present

Tools & Technologies: Android, Java, Ubuntu, Git, PCAN-View, Diaglyser
- Troubleshot and resolved high-priority issues in Android media applications, ensuring optimal performance and stability
- Led the integration of streaming services (Spotify, iHeartRadio, Alexa, Pandora, etc.) via Android Media Session framework, enabling seamless media control and interaction
- Implemented and optimized playback control and metadata handling for multiple audio sources (USB, Bluetooth, Android Auto, CarPlay, FM, AM, DAB), ensuring smooth user experience and accurate data presentation

STLA R1 Infotainment (Uconnect 5)   Jan 2019 – Dec 2023

Tools & Technologies: Android, Java, Ubuntu, Git, PCAN-View, Raft
- Led development of Android media applications across headunit and passenger displays, managing a team of 5+ developers
- Coordinated cross-functional collaboration with HMI, Tuner, VR, UX, and Media teams to ensure seamless integration and functionality
- Managed audio playback and control for various sources (USB, Bluetooth, Android Auto, CarPlay, FM, AM, DAB, SXM), ensuring robust audio experience
- Implemented advanced audio focus handling and hardkey support for seamless user interaction
- Developed solutions for audio restoration across profile changes and ignition cycles
- Synchronized media content and playback status between headunit and passenger displays
- Oversaw rear seat entertainment systems and integrated streaming services (Spotify, iHeartRadio, Alexa, Pandora) through the Android Media Session framework

GM Info 3 Infotainment (Info 3)   Nov 2014 – Dec 2018

Tools & Technologies: Android, Ubuntu, Eclipse, Git, Java
- Developed Android media applications, focusing on delivering high-quality infotainment experiences
- Conducted requirement analysis and implemented key features to meet evolving project specifications
- Managed audio sources, ensuring seamless switching and controls
- Implemented audio focus handling to optimize media interactions and user experience
- Integrated popular streaming apps (Spotify, iHeartRadio, Alexa, Pandora) using the Android Media Session framework for unified media playback and control

Native GUI and feature phone development   Oct 2001 – Feb 2005

Tools & Technologies: C, Assembly, ARM, ICD33, Epson ROS33
- Developed and implemented drivers for display, touch panels, and keyboards, ensuring seamless hardware integration
- Designed and optimized the message processing module for the native GUI to improve system responsiveness
- Developed file system and database solutions for feature phones, enabling efficient data storage and retrieval

Key Achievements

- Spearheaded the implementation of 3rd party apps features in the PSA R2 project.
- Orchestrated the development of an entire Android media application and its associated modules with a focus on high quality in the STLA R1 (Uconnect 5) project.
- Played a pivotal role in enhancing the quality and performance of the media application in the GM Info 3 project
- Established and led the first Android development team at Samsung, receiving exceptional feedback from the company during tenure at Symphony Teleca.
- Recognized with an Excellent Work Award for native GUI implementation project.