

Bely Xiong

Android Application Development | Android Framework Development | Java Programing
Team management | C Programing
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Summary

Software engineer with over 23 years development experience, specialized in Android application development (media related), a proven track record with high performance. Seeking to apply my comprehensive experience in Android development, Java development, C programing and team management etc.

Skills

Languages: 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

Sep 2013 – Present

- Led team to develop media application and its dependent components
- Coordinate between different teams (HMI/Tuner/VR/UX/Media)
- Improve media application startup time
- Integrate other 3rd party apps into media application
- Guide team members

Senior Software Engineer, Symphony Teleca

Feb 2010 – Mar 2012

- Issue fix on Galaxy serial android phone
- Lead company's first android development at customer site
- Android training for team members

Software Engineer, Esmertec

Oct 2001 – Feb 2008

- Native GUI implementation, display driver development, feature phone development
- SyncML client implementation for the very first version of Android
- Auto-build system implementation

Notable Projects

PSA R2 Infotainment(CAROSU RX)

Jan 2024 - Present

Tools & Technologies: Android, Java, Ubuntu, Git, PCAN-View, Diaglyser

- Media application critical issues fix
- 3rd party apps feature implementation
- Audio sources (USB/BT/AA/CP/FM/AM/DAB) play control and metadata display

STLA R1 Infotainment (Uconnect 5)

Jan 2019 – Dec 2023

Tools & Technologies: Android, Java, Ubuntu, Git, PCAN-View, Raft

- Media application development, on headunit and passenger screen (lead 5+ team members).
- Coordinate between different teams (HMI/Tuner/VR/UX/Media/...).
- Manage different audio sources (USB/BT/AA/CP/FM/AM/DAB/SXM)
- Audio focus handling
- Hardkey support
- Audio restore cross profile/ignition cycle
- Sync info between headunit and passenger screen
- Rear seat entertainment management
- Integrate 3rd party apps
- Fix bugs

GM Info 3 Infotainment (Info 3)

Nov 2014 – Dec 2018

Tools & Technologies: Android, Ubuntu, Eclipse, Git, Java

- Media application development
- Requirement analysis and feature implementation.
- Audio sources management.
- Audio focus handling.
- Integrate other 3rd party apps.
- Fix bugs

Native GUI and feature phone development

Nov 2014 – Dec 2018

Tools & Technologies: C, ASM, ARM, ICD33, Epson ROS33

- Display/touch panel/keyboard driver implementation
- Message process module implementation for native GUI
- File system and database implementation for feature phone

Key Achievements

- Led 3rd party apps feature implementation in PSA R2 project
- Led the development of whole media application and its dependent modules with high quality in STLA R1 (Uconnect 5) project
- Key contributor of media application in GM Info 3 project, improved the quality and performance
- Established Android development team and earned excellent feedback from Samsung while in Symphony Teleca
- Excellent work award in native GUI implementation

Education

University of Electronic Science and Technology – BS in Computer Science

Jul 2001

University of Illinois Springfield – MS in Computer Science

Jun 2020