Hongzhi Li

Android/Automotive Software Developer

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Profile Summary

Passionate Android and automotive software developer with 5+ years of experience in Java/J2EE development and system integration. Currently serving as IT/Infrastructure Specialist at ECARX with deep understanding of automotive technology challenges. Proven expertise in cross-cultural communication, bridging IT-business gaps, and innovative automotive infotainment solutions. Fluent in Mandarin Chinese and English, with unique combination of technical depth and international business acumen. Demonstrated passion for automotive innovation through personal Android Auto projects and commitment to enhancing user experience in connected vehicles.

Core Technical Skills

- **Android Development:** Java, Kotlin, Android Studio, Android SDK, AOSP development
- **Mobile Platforms:** React Native, Cross-platform development, Mobile UI/UX
- **Programming Languages:** Java/J2EE, JavaScript, C#/.NET Core, Python, Kotlin
- **System Integration:** Microservices architecture, RESTful APIs, System-level development
- **Infrastructure:** Kubernetes, Docker, AWS, Azure, Cloud-native architecture
- **Automotive Technologies:** Android Auto, Infotainment systems, In-vehicle applications
- **Cross-Cultural Communication:** Mandarin Chinese, English, International collaboration
- **Development Tools:** Git, CI/CD, Agile methodologies, Code reviews

Professional Experience

ECARX — IT/Infrastructure Specialist

October 2024 - Present — Gothenburg, Sweden

- Leading infrastructure optimization and system integration projects for automotive technology solutions
- Providing technical support to development teams working on infotainment and connected vehicle systems
- Implementing cost optimization by migrating from AKS to local Kubernetes clusters, reducing operational expenses
- Developing monitoring solutions using Grafana and advanced scripting for automotive system reliability
- Managing complex network systems and providing technical architecture design for enterprise-level automotive applications
- Collaborating with global teams across different time zones and cultural contexts

Synteda — Azure Fullstack Developer & Integration Specialist

August 2023 - September 2024 — Gothenburg, Sweden

- Developed comprehensive talent management system using C# and .NET Core with cloud-native architecture
- Built complete office management platform from scratch, architecting both frontend and backend components
- Implemented RESTful APIs and microservices for scalable application architecture

- Integrated SQL and NoSQL databases with optimized query performance and data protection measures
- Collaborated with international clients, demonstrating strong cross-cultural communication skills

IT-Högskolan — Backend Developer (Part-time)

January 2023 - May 2023 — Gothenburg, Sweden

- Migrated "Omstallningsstod.se" adult education platform using Spring Boot backend services
- Developed RESTful APIs for frontend integration and implemented secure data handling
- Collaborated with UI/UX designers to ensure seamless frontend-backend integration
- Implemented automated testing strategies as part of delivery process

Pembio AB — Fullstack Developer

October 2020 - September 2021 — Lund, Sweden

- Developed Pembio.com platform backend with Java and Spring Boot in microservices architecture
- Built frontend features using Vue.js framework and integrated with backend APIs
- Developed RESTful APIs and implemented comprehensive database integration
- Participated in Agile development processes and collaborated with cross-functional teams

Automotive Innovation Projects

AndroidAuto_AI_Bot

June 2025 – Present

- Designed in-car AI voice assistant for Android Auto with custom wake-word "Hi Car"
- Integrated Large Language Models for natural language understanding and conversational responses
- Built text-to-speech pipeline using Edge TTS for hands-free, eyes-free user experience
- Developed distraction-free voice-only interface optimized for automotive safety

AndroidAuto_CarTVPlayer_KOTLIN

March 2025 – Present

- Built customized Android Auto media player with enhanced audio controls and intuitive UI
- Integrated voice command processing and secure data access via backend systems
- Developed robust frontend and backend modules for smooth in-vehicle experience
- Optimized for automotive user experience and safety requirements

AndroidAuto_TTS_EpubReader

June 2025 – Present

- Created EPUB-to-MP3 audiobook generator using Microsoft Edge TTS for Android Auto
- Designed offline media synchronization for personalized in-car content consumption
- Built distraction-free audio playbook system for safe driving experience

Additional Development Projects

Gothenburg_TaxiPooling_Java_ReactNative_PythonALGO

May 2025 – Present

- Neural network-powered carpooling platform with automated passenger matching
- Developed cross-platform mobile application using React Native and Spring Boot microservices
- Integrated secure payment processing, RESTful APIs, and PostgreSQL for scalable data handling

SmrtMart.com_COMMERCE.WEB

April 2024 – Present

- Fullstack e-commerce platform with microservices-based architecture
- Implemented comprehensive order management, inventory tracking, and payment systems
- Optimized backend API performance and integrated hybrid data storage solutions

Education

IT Högskolan
Bachelor's Degree in .NET Cloud Development — 2021-2023
Mölndal Campus
Bachelor's Degree in Java Integration — 2019-2021
University of Gothenburg
Master's Degree in International Business and Trade — 2016-2019

Certifications

- AWS Certified Solutions Architect - Associate (Aug 2022)
- Microsoft Certified: Azure Fundamentals (Jun 2022)
- AWS Certified Developer - Associate (Nov 2022)

Languages & Cultural Competencies

- **Languages:** Fluent in Mandarin Chinese and English
- **Cross-Cultural Communication:** Expert in bridging Eastern and Western business cultures
- **International Collaboration:** Extensive experience working with global teams
- **IT-Business Bridge:** Proven ability to translate technical concepts for business stakeholders

Additional Information

- **Automotive Passion:** Deep interest in connected vehicles, infotainment systems, and automotive UX
- **Innovation Focus:** Continuous development of automotive-related personal projects
- **Personal Website:** bluehawana.com
- **Valid Driver's License:** Available for in-vehicle testing and validation