Hongzhi Li

Software Developer

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Profile Summary

Experienced Fullstack Developer with over 5 years of hands-on experience in Java/J2EE development with modern web technologies. Proven expertise in building scalable full-stack applications using Spring Boot, Angular/React frontend integration, and comprehensive database management across SQL and NoSQL platforms. Strong background in RESTful API development, microservices architecture, and end-to-end application development. Demonstrated ability to work across the entire technology stack from frontend user interfaces to backend services and database optimization. Currently serving as IT/Infrastructure Specialist at ECARX, bringing deep technical knowledge to complex software solutions and collaborative development environments.

Core Technical Skills

- **Programming Languages:** Java/J2EE, JavaScript, C#/.NET Core, Python, Bash, PowerShell
- **Frontend Frameworks:** Angular, ReactJS, React Native, Vue.js, HTML5, CSS3
- **Backend Frameworks:** Spring, Spring Boot, Spring MVC, .NET Core, ASP.NET, Node.js
- **API Development:** RESTful APIs, GraphQL, Microservices Architecture
- **Databases:** PostgreSQL, MySQL, MongoDB, AWS RDS, Azure Cosmos DB, S3
- **Testing:** Unit Testing, Integration Testing, Automated Testing, JUnit, Jest
- **Cloud Platforms:** AWS, Azure, GCP
- **Containerization:** Docker, Kubernetes, Azure Kubernetes Service (AKS)
- **Version Control:** Git, GitHub, GitLab
- **CI/CD:** Jenkins, GitHub Actions, GitLab CI
- **Agile Methodologies:** Scrum, Kanban, Sprint Planning, Code Reviews
- **Performance Optimization:** Application scaling, Database optimization, Caching strategies
- **Security:** Application security, Data protection, Authentication/Authorization

ECARX — IT/Infrastructure Specialist

October 2024 - Present — Gothenburg, Sweden

- Leading infrastructure optimization and system integration projects for automotive technology solutions
- Providing IT support and infrastructure support to development teams for enhanced productivity
- Implementing cost optimization project by migrating from AKS to local Kubernetes cluster, reducing operational expenses
- Implementing modern monitoring solutions using Grafana and advanced scripting for system reliability
- Managing complex network systems and providing technical solution design for enterprise-level applications

Synteda — Azure Fullstack Developer & Integration Specialist (Freelance)

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

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 tests as part of delivery process

Senior Material (Europe) AB — Platform Architect & Project Coordinator

January 2022 - December 2022 — Eskilstuna, Sweden

- Led migration of business-critical applications with microservices architecture
- Developed backend services with Spring Boot and designed RESTful APIs for frontend consumption
- Collaborated with development teams to optimize applications for maximum speed and scalability
- Participated in Agile ceremonies including sprint planning, reviews, and retrospectives

AddCell (CTH Startup) — DevOps Engineer

September 2022 - November 2022 — Gothenburg, Sweden

- Developed cloud-native applications using serverless computing architecture
- Implemented GraphQL APIs for efficient data fetching and frontend integration
- Worked with SQL and NoSQL databases for optimal data storage and retrieval

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
- Implemented automated testing strategies and ensured application security

Hobby Projects

AndroidAuto_AI_Bot

June 2025 – Present
AndroidAuto, EdgeTTS, TwitterAPI, LLM, Python, Kotelin

- Designed an in-car AI voice assistant for Android Auto, activated via a custom wake-word `"Hi Car"`, as a smarter alternative to Google Assistant

- Integrated Large Language Models (LLMs) for natural language understanding and real-time conversational responses

- Enabled real-time querying of public Twitter/X content (e.g., Elon Musk, Donald Trump) via Twitter API, with responses converted to speech using Edge TTS

- Built a text-to-speech (TTS) pipeline to vocalize responses from the LLM and external APIs for hands-free, eyes-free user experience

- Designed for Android Auto with a distraction-free, voice-only interface and on-device wake-word detection

- Supports conversational queries, personalized information access, and live updates while commuting

AndroidAuto_TTS_EpubReader

June 2025 – Present
Python, EdgeTTS, EPUB, AndroidAuto, TelegramBotIntegration, CloudFlare

- Built an EPUB-to-MP3 audiobook generator using Microsoft Edge TTS for Android Auto playback

- Designed offline media synchronization for customized reading-on-the-road experience

- Created distraction-free in-car UI for audio playback of personalized content while commuting

Jobhunter_Python_TypeScript_RESTAPI

July 2025 – Present
Python, TypeScript, GmailRESTAPI, LinkedinAPI

- Automated job hunting pipeline integrating Gmail search, job scraping, and resume customization

- Generated resumes and cover letters based on job descriptions using NLP techniques

- Auto-sent job application drafts to user with a fully functional end-to-end workflow

Bluehawana.com_Web.HTML

Jan 2025 – Present
HTML5, CSS3, JavaScript, GitHubAPI, LinkedIn API

- Redesigned and upgraded personal portfolio website from static GitHub Pages to dynamic, professional-grade tech site

- Integrated GitHub API for real-time repository feed and LinkedIn API for automated blog synchronization

- Implemented responsive UI/UX with mobile-first design principles and performance-optimized layout

- Deployed on Netlify with custom domain and automated CI/CD via Git

- Added professional services module with booking system and contact form integration

Gothenburg_TaxiPooling_Java_ReacNative_PythonALGO

May 2025 – Present
SpringBoot, ReactNative, PostgreSQL, Python, ML, PSQL

- Neural network-powered carpooling platform with automated passenger matching and real-time geolocation tracking

- Developed cross-platform mobile application using React Native and Spring Boot microservices

- Integrated secure payment processing, RESTful APIs, and PostgreSQL for scalable data handling

- Engineered for performance optimization and GDPR-compliant data privacy

AndroidAuto_CarTVPlayer_KOTLIN

March 2025 – Present
Kotlin, AndroidAuto, RESTfulAPIs, EXOPlaer, VLCPlayer

- Designed and built a customized Android Auto media player with enhanced audio controls and intuitive UI

- Integrated voice command processing and secure data access via SQL backend

- Developed and tested robust frontend and backend modules for smooth in-vehicle experience

SmrtMart.com_COMMERCE.WEB

April 2024 – Present
Go, Next, PostgreSQL, Microservices, StripeAPI

- Fullstack e-commerce platform with microservices-based architecture for seamless scalability

- Implemented comprehensive order management, inventory tracking, and payment systems

- Optimized backend API performance and integrated PostgreSQL and MongoDB for hybrid data storage

Weather_Anywhere.CLOUD_API_Encoding

Feb 2024 – Present
SpringBoot, AlibabaCloudECS, ApsaraDBRDS(MySQL), Heroku

- Weather tracking app for Swedish and global cities using OpenCageData and Open-Meteo APIs

- Deployed on Alibaba Cloud ECS with city coordinates and weather data stored in ApsaraDB MySQL

- Dynamic city lookup and caching mechanism for optimized API usage and response speed

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)

Additional Information

- **Languages:** Fluent in English and Mandarin

- **Interests:** Vehicle technology, energy sector, electrical charging systems, and battery technology

- **Personal Website:** bluehawana.com

- **Customer Websites:** senior798.eu, mibo.se, omstallningsstod.se