Hongzhi Li

Backend Developer & API Specialist

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Profile Summary

Experienced Backend Developer with over 5 years of expertise in API development, microservices architecture, and database optimization. Currently serving as IT/Infrastructure Specialist at ECARX with proven track record in Spring Boot, RESTful APIs, and scalable backend systems. Strong background in building comprehensive talent management systems using C# and .NET Core, implementing microservices for scalable application architecture, and integrating SQL and NoSQL databases with optimized query performance. Specialized in backend development roles for companies like Klarna.

Core Technical Skills

- **Programming Languages:** Java/J2EE, C#/.NET Core, Python, JavaScript, TypeScript, Go
- **Backend Frameworks:** Spring Boot, Spring MVC, .NET Core, Node.js, FastAPI, Express.js
- **API Development:** RESTful APIs, GraphQL, Microservices Architecture, API Gateway
- **Databases:** PostgreSQL, MySQL, MongoDB, AWS RDS, Azure Cosmos DB, Database Design
- **Cloud Platforms:** AWS, Azure, GCP, Alibaba Cloud, Serverless Computing
- **Performance:** Database optimization, Caching strategies, Application scaling, Load Balancing
- **Security:** Application security, Data protection, Authentication/Authorization, OAuth
- **DevOps:** Docker, Kubernetes, Jenkins, GitHub Actions, CI/CD Pipelines

Professional Experience

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

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

Hobby Projects

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

- Demo: https://weather.bluehawana.com

Jobhunter_Python_TypeScript_RESTAPI

July 2024 – 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

- Demo: https://jobs.bluehawana.com

Gothenburg_TaxiPooling_Java_ReactNative_PythonALGO

May 2024 – 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

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