

Harvad (Hongzhi) Li

Full Stack Engineer — Cloud Sustainability Enthusiast

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Profile Summary

Experienced Full Stack Engineer with a strong background in building scalable web and mobile applications. Passionate about using technology to drive sustainability and efficiency, making me highly aligned with Cetasol's mission. Proficient in modern full-stack technologies including TypeScript (React, Node.js), Python (FastAPI), and Cloud Architecture (Azure/AWS). Proven track record of delivering complex projects, from e-commerce platforms to automotive data systems. Adept at working in agile startup environments and translating business requirements into robust technical solutions.

Core Technical Skills

- **Frontend Development:** React, TypeScript, JavaScript, Next.js, Vue.js, HTML5, CSS3
- **Backend Development:** Node.js, Python (FastAPI), Spring Boot, RESTful APIs, GraphQL
- **Cloud Infrastructure:** Azure, AWS, Docker, Kubernetes, Microservices, CI/CD
- **Databases:** PostgreSQL, MongoDB, MySQL, Redis
- **Sustainability Tech:** Energy efficiency optimization, Data-driven decision making
- **Languages:** Fluent English and Mandarin Chinese, Swedish (B2 level)

Working Experience

ECARX — Senior Infrastructure Performance Engineering Specialist

October 2024 - Present — Gothenburg, Sweden

- Architected hybrid cloud solutions combining private cloud infrastructure with public cloud scalability.
- Optimized system performance, reducing energy consumption and processing time for critical build tasks by 3.5x.
- Developed Python-based automation tools for data analysis and system monitoring.

Synteda — Mobile App Developer & Azure Integration Specialist (Freelance)

August 2023 - September 2024 — Gothenburg, Sweden

- Built comprehensive full-stack applications with React Native frontends and scalable cloud backends.
- Implemented RESTful APIs and microservices architecture for client projects.
- Integrated complex data visualization features for real-time monitoring.

IT-Högskolan — Mobile DevOps Support (Part-time)

January 2023 - May 2023 — Gothenburg, Sweden

- Supported full-stack development teams with CI/CD pipeline implementation and cloud deployment.
- Facilitated API integration between frontend and backend services.

Relevant Projects

SmrtMart.com_ECOMMERCE.WEB

April 2024 – Present

Go, Next.js, PostgreSQL, Microservices

- Developed a full-stack e-commerce platform using Next.js for the frontend and Go microservices for the backend.
- Implemented a responsive, high-performance UI with seamless payment integration (Stripe).
- Optimized database queries and API response times for a superior user experience.

Gothenburg_TaxiPooling_MobileApp

May 2025 – Present

React Native, Spring Boot, PostgreSQL, Geolocation APIs

- Created a carpooling application focused on optimizing transport efficiency and reducing carbon footprint.
- Implemented real-time matching algorithms and geolocation tracking.
- Built a robust backend system to handle concurrent user requests and data processing.

Weather_Anywhere.CLOUD_API_Encoding

Feb 2024 – Present

Spring Boot, MySQL, Cloud Deployment

- Built a weather tracking application aggregating data from multiple APIs.
- Deployed on cloud infrastructure with dynamic caching to minimize API calls and improve energy efficiency.
- Demo: weather.bluehawana.com

Education

IT Högskolan — Bachelor's in .NET Cloud Development — 2021-2023

Mölndal Campus — Bachelor's in Java Integration — 2019-2021

University of Gothenburg — Master's 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)