Harvad (Hongzhi) Li

Full Stack Engineer - Frontend & Cloud

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Profile Summary

Full-stack engineer with 5+ years building scalable web applications and cloud infrastructure solutions. Strong frontend expertise in React, TypeScript, and modern JavaScript, combined with deep cloud platform experience across AWS, Azure, and GCP. Currently at ECARX, building real-time monitoring dashboards and optimizing hybrid cloud infrastructure. Proven track record collaborating with international teams, designing RESTful/GraphQL APIs, and delivering high-performance user experiences. Passionate about cloud optimization, system design, and creating intuitive interfaces for complex technical systems.

Core Technical Skills

- **Frontend:** React (hooks, context, performance optimization), TypeScript, JavaScript (ES6+), Next.js, Vue.js
- **State Management:** Redux, Context API, React Query, component architecture patterns
- **Backend:** Node.js, Go, Python, Spring Boot, C# .NET, RESTful APIs, GraphQL
- **Cloud Platforms:** AWS (EC2, S3, Lambda, CloudWatch), Azure (AKS, VMs, Functions), GCP familiarity
- **Cloud Optimization:** Cost optimization, performance tuning, security best practices, resource management
- **DevOps & Tools:** Docker, Kubernetes, CI/CD (GitHub Actions, Jenkins), Terraform, Git/GitHub
- **Monitoring:** Grafana, Prometheus, CloudWatch, application performance monitoring
- **Databases:** PostgreSQL, MySQL, MongoDB, Redis, time-series databases
- **System Design:** Scalable architectures, microservices, API design, reusable UI patterns
- **Collaboration:** Remote work, international teams, Agile/Scrum, code reviews
- **Languages:** Fluent English and Mandarin, Swedish B2 level

Working Experience

ECARX — Senior Infrastructure & Performance Engineering Specialist

October 2024 - Present — Gothenburg, Sweden (Hybrid)

- Developed and maintained web-based monitoring interfaces for automotive testing platforms, leveraging frontend technologies (e.g., React, Angular, Vue.js) to create intuitive user experiences.
- Designed and implemented real-time Grafana dashboards, providing critical insights into Android AOSP infrastructure performance and identifying potential bottlenecks.
- Contributed to data visualization solutions for build analytics, transforming complex data into actionable insights for engineering teams.
- Integrated RESTful APIs to fetch and display real-time data within monitoring interfaces, ensuring seamless communication between frontend and backend systems.
- Managed and optimized hybrid cloud resources (Azure/on-premise) to support development and testing environments, focusing on cost efficiency and performance.
- Collaborated effectively with international teams (Swedish/Chinese) across different time zones to deliver high-quality software solutions.
- Built performant monitoring interfaces that were able to handle large amounts of data and provide timely updates to users.

- Gained experience with cloud platforms by building and deploying dashboards and monitoring tools on Azure.

Synteda — Full Stack Developer & Cloud Integration Specialist (Freelance)

August 2023 - September 2024 — Gothenburg, Sweden (Remote)

- Collaborated closely with the Mibo.se team to understand their business workflows and translate them into a scalable technical architecture, leveraging the full Microsoft stack.
- Spearheaded the integration of a comprehensive Microsoft solution for Mibo.se, encompassing a C .NET backend, React frontend, and Azure cloud hosting.
- Developed a talent management platform for Mibo.se, ensuring alignment between business requirements and technical implementation using C .NET, React and Azure services.
- Expanded Mibo.se's talent management capabilities by developing native Android applications using Kotlin to provide enhanced mobile features.

IT-Högskolan — DevOps & Backend Support (Part-time)

January 2023 - May 2023 — Gothenburg, Sweden

- Supported development teams with CI/CD pipelines and cloud infrastructure for React, Flutter, and React Native projects
- Helped migrate Omstallningsstod.se platform backend with Spring Boot, ensuring API compatibility
- Collaborated remotely with distributed teams to optimize deployment workflows

Senior Material (Europe) AB — Full Stack Platform Architect

January 2022 - December 2022 — Eskilstuna, Sweden

- Led migration to microservices architecture with React frontend and Spring Boot backend
- Designed RESTful APIs optimized for web and mobile consumption
- Worked with cross-functional teams in Agile environment to deliver scalable solutions

Pembio AB — Full Stack Developer

October 2020 - September 2021 — Lund, Sweden

- Developed full-stack applications for Pembio.com using Vue.js frontend and Spring Boot backend
- Built CI/CD pipelines and deployment workflows for web applications
- Implemented RESTful APIs and integrated with third-party services

Key Projects

SmrtMart.com_E-commerce_Platform

2024 - Present — **Go, Next.js, React, PostgreSQL, Microservices, Stripe API**

- Built full-stack e-commerce platform with Next.js/React frontend and Go microservices backend
- Implemented real-time admin dashboard with sales analytics, inventory management, and order tracking
- Designed RESTful APIs for seamless frontend-backend integration with optimized performance
- Deployed on cloud infrastructure with CI/CD automation and monitoring

Weather_Anywhere.CLOUD

2024 - Present — **Spring Boot, React, Alibaba Cloud, MySQL, RESTful APIs**

- Developed weather visualization platform with React frontend consuming RESTful APIs
- Built Spring Boot backend deployed on Alibaba Cloud ECS with ApsaraDB RDS
- Implemented caching strategies and API optimization for cost-effective cloud usage
- Demo: https://weather.bluehawana.com

Gothenburg_TaxiPooling_MobileApp

2025 — **React Native, Spring Boot, PostgreSQL, Real-time APIs**

- Developed cross-platform app with React Native frontend and Spring Boot microservices backend
- Implemented real-time geolocation tracking with WebSocket connections and RESTful APIs
- Built responsive UI with modern React patterns and state management

Crypto_Wallet_Xamarin

2024 - Present — **Xamarin, C#, .NET, Blockchain APIs, Cross-platform**

- Developed cross-platform cryptocurrency wallet with C# .NET backend and Xamarin frontend
- Integrated multiple blockchain APIs with secure authentication and transaction processing
- Implemented responsive UI optimized for both Android and iOS platforms

AndroidAuto_AI_Bot

2025 — **Android, Kotlin, TypeScript, LLM APIs, Real-time Processing**

- Built AI-powered voice assistant with native Android frontend and cloud-based LLM integration
- Designed RESTful APIs for real-time AI processing and Edge TTS voice synthesis
- Implemented performance-optimized UI for automotive safety compliance

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 (2022)
- AWS Certified Developer - Associate (2022)
- Microsoft Azure Fundamentals (2022)

Additional Information

- **Remote Work:** 3+ years experience working remotely with international teams
- **Open Source:** Active contributor, Linux Foundation member
- **Continuous Learning:** Currently exploring advanced React patterns, GraphQL, and cloud-native architectures
- **Personal Website:** bluehawana.com