

Zhiwei Li

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INTRODUCTION

Senior backend / full-stack engineer with 11+ years of professional experience (8 years in corporate roles, 3 years freelancing). Specialize in backend systems, cloud-native services, performance engineering, and practical machine-learning projects. Strong track record building production systems (Java, Spring, Python), mobile apps (iOS / Android), developer automation, and technical writing. Currently working as a backend engineer on banking systems (HSBC) through an outsourcing engagement.

EDUCATION

Guangdong University of Foreign Studies —Associate Degree, Computer Application (*in progress*)

Oct 2022 —Present

Passed 9 courses including Operating Systems, Data Structures, Advanced Programming, Advanced Mathematics, Database, Computer Organization.

Beijing Forestry University —Digital Media Arts (*dropout*)

Sep 2013 —Jun 2014

Guangzhou Yuyan Middle School —Science Track, Middle School Diploma

Jul 2007 —Jun 2013

EXPERIENCE

- **Basic Information:** Male, born in 1995, Chinese citizen, residing in Guangzhou.
- **Competitive programming experience:** Achieved top 300 in Guangdong NOIP 2011 and solved approximately 1000 algorithm problems online, available on UVa Online Judge.
- **Professional experience:**
 - **Meitai Technology Service (Shanghai) Co., Ltd. —Backend Engineer (outsourced to HSBC)**
Feb 2025 —Present, Guangzhou
 - * Backend development and optimization for HSBC Finance Transformation Platform module.
 - * Implemented data import/validation/export flows and enhanced submission/approval lifecycles for financial headers; gained practical accounting and ledger exposure.

- * Owned features end-to-end: development → UAT → production; authored 500 technical guides used by teammates.
- * Built automation and vertical Copilot agents: 300 reusable scripts and 20 specialized agents to boost productivity.
- * **Tech:** Java, Spring, IBM Db2, Maven, Nexus, Angular, Python, IBM Web-Sphere, Control-M.

- Freelancer —Full Stack / ML Engineer

Aug 2023 —Jan 2025

- * Reimplemented and analyzed 30 ML example projects (PyTorch, TensorFlow); completed DeepLearning.AI specializations.
- * Built an AI-powered Story Bot (Claude API) with Flask + React; deployed on AWS with Prometheus + ELK monitoring.
- * Experimented with embeddings, llama.cpp, rerankers, and Retrieval-Augmented Generation (RAG).
- * Maintained technical blog (431 posts); created multi-language translation and TTS publishing pipelines.

- Shenzhen Farben Information Technology Co. —Backend Engineer (HSBC PayMe)

Nov 2022 —Jul 2023

- * Implemented PayMe Auto Top-Up: monitored Azure EventHub, handled post-payment events, applied AOP for audit logging.
- * Participated in cloud migration and API refactoring; improved routing and secure DB access.
- * **Tech:** Java, Spring, Kafka, Azure, AWS, Azure DevOps.

- Beyondsoft Guangzhou Co., Ltd. —Backend Engineer (DBS Bank)

Dec 2021 —Nov 2022

- * Built equity trading and mutual funds microservices for DBS Client Connect and DigiBank CN.
- * Implemented pre-trade checks, integrated Avaloq APIs, automated test generation for Karate.
- * **Tech:** Java, Spring Cloud, Pivotal Cloud Foundry, Kibana.

- Beijing Square Root Inc. —Founder & Full Stack Engineer

Jul 2016 —Dec 2019

- * Launched and operated Fun Live (knowledge live platform): 30k users, 80 lectures, millions pageviews. Full-stack ownership (PHP, Vue, Laravel, Redis, RTMP).
- * Raised ≈¥500k, managed product & operations, delivered 50 client projects during consulting phase.

- Delicious Bookmarks (LeanCloud) —Software Engineer

Jul 2014 — Nov 2015

* Contributed to LeanCloud Objective-C / Java SDKs and demo apps (LeanChat iOS/Android). Gained early cloud product experience.

- **Certificates:**

- Beijing Forestry University Dropout Certificate
- China Higher Education Official Report (Bachelor Education, Dropout Status)
- IELTS Academics, Score 6
- Machine Learning Specialization Course Completion Certificate, provided by DeepLearning.AI and Standford University
- Deep Learning Specialization Course Completion Certificate, provided by DeepLearning.AI
- Developing on AWS, provided by AWS Training

- **Awards:**

- Won first prize among Guangzhou contestants in the first round of the 2011 Guangdong NOIP (National Olympiad in Informatics in Provinces); advanced to the second round without a prize; likely ranked in the top 300.
- 2014 Beijing Blue Bridge Cup Competition First Prize.

- **Language proficiency:** Native in Chinese, proficient in English (IELTS 6).
- **Learning approach:** Eager to learn from fundamental algorithms to large-scale applications involving tens of microservices, as well as cutting-edge technologies like GPT and Transformer-based AI. Focuses on gaining both theoretical knowledge and practical experience.
- **Reading:** Read over 320 books spanning topics such as textbooks, personal development, business, technology, and history.
- **Open-source contributions:** Developed 10 open-source projects on GitHub, each with over 500 commits.
- **Research:** Conducted self-directed research on reversing myopia and natural vision restoration, inspired by Todd Becker and Yin Wang's works, supported by three years of experimentation.
- **Portfolio:** Contributed to or led the development of 20 projects, spanning startup initiatives, personal hobby projects, and large-scale enterprise projects.
- **Writing:** Authored approximately 230 blog posts on topics including programming, software development, and startups, attracting 15,000 page views per

month.

- **Life Hacking:** Innovates practical solutions, experiments with affordable gadgets, and introduced English animations to my daughter at 2. Tech enthusiast with Arduino, Raspberry Pi Pico, and breadboards for hands-on projects.
- **Featured in:** Pencil Way's Report and Lieyunwang Report.