

# He Zheng, Software Engineer

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<https://github.com/ZhengHe-MD> | <https://zhenghe-md.github.io/blog/> |

<https://zhenghe.gitbook.io/open-courses/>

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**SUMMARY** He has earned a bachelor's degree in Economics and a master's degree in Technology of Computer Application in Beijing, China. Eager to learn anything interesting, he is capable of conducting research in unfamiliar fields quickly when needed, and then output reports, sharing, even practical plans to solve real problems. He leads a software engineering team under the Middle Platform department for 2 years, focusing on improving server-side observability and make internal OA systems' development easy.

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## **EXPERIENCE** PalFish, Inc, Lead Software Engineer

2019-04-15 — Present

<https://www.ipalfishclass.com/>

- Introduce the distributed tracing system into the infrastructure, improve the legacy monitoring and alerting systems, then build a server-side observability platform on top of them.
- Build services that provide common utilities shared among all sorts of internal OA systems, including organizational structure management, authentication management, business process management and audit, in order to speed up the development process.
- Take over, maintain and refine the work of the payment system, audio algorithms due to layoffs after double-reduction policy.
- Come up with the idea, run the project, and do the product design and server-side development of a language learning app, which utilizes Automatic Speech Recognition (ASR) and Voice Activity Detection (VAD) algorithms to automatically cut audios so that people can do listening, read-along practices with them, and is currently available on the Apple App Store.
- Conduct 40+ tech-shares, host 100+ interviews, draft the standard of the first-round tech interview and do the corresponding training.

## **iQIYI, Inc, Software Engineer**

2017-07-12 — 2019-04-01

<https://www.iqiyi.com/common/aboutus.html>

- Design and develop the multimedia data labeling systems, which becomes the main data source for several AI teams to conduct supervised learning;
- Build the mvp version of a Function as a Service (FaaS) platform, but without adoption outside the team.

## **Madadata, Inc, Front-end Engineer**

2016-03-15 — 2017-04-17

<https://github.com/Madadata>

- Intern as a front-end engineer in the startup, participate in several front-end projects, and learn a ton from the great engineers and leaders coming back from Silicon Valley, in coding, cooperating, information collecting and more.

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## **PUBLICATIONS**

**Simplify the Basic Artificial Bee Colony Algorithm, IEEE International Conference on Systems Man and Cybernetics Conference Proceedings** 2015-10-12

<https://ieeexplore.ieee.org/document/7379506>

**Testing an evolutionary portfolio algorithm on the CEC2016 real-parameter single objective optimization, 2016 IEEE Congress on Evolutionary Computation (CEC)** 2016-07-24

<https://ieeexplore.ieee.org/document/7748321>

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AWARDSNational Scholarship, Ministry of Education

2015-12-01

EDUCATIONRenmin University of China

2014-09-01 — 2017-07-01

Master - Stochastic Optimization and Image Segmentation, GPA: 3.7+

University of International Business and Economics

2010-09-01 — 2014-07-01

Bachelor - Economics, GPA: 3.7+

SKILLSProgramming Language: Go, Javascript, Python, Java

**Web Development:** HTTP/gRPC/Thrift, Server-side Observability, HTML/CSS/React

**Database:** Relational-MySQL, TiDB, Time series-Prometheus, KV-boltdb, Redis, Search engine-ElasticSearch, Zoekt, NoSQL-MongoDB

**Fundamentals:** Data structures and algorithms, Computer networking, Structure and Interpretation of Computer Programs, Distributed Systems, Introduction to Database Systems

LANGUAGESEnglish (*CET-6, conversational*) , Mandarin (*Native*)

INTERESTSSports [ *run, badminton, soccer* ]