

Haidian District  
Beijing, China

# Kai Wang

charles.wangkai@gmail.com  
(+86) 13811539414  
github.com/charles-wangkai

**Aim to Solve Any Technical Problems**

## Employment

<b>Senior Software Engineer</b>	<b>Sogel</b>	<b>2021 – 2024</b>
Outsourcing Projects		
<ul style="list-style-type: none"><li>Developed the backend of a real-time processing application for sensor data visualization. (Rust)</li><li>Designed and developed the backend of a translation editor Web application. (Java, Spring Boot, Elasticsearch)</li></ul>		
<b>Senior Software Engineer</b>	<b>Airbnb, China</b>	<b>2020 – 2021</b>
Community Support Platform		
<ul style="list-style-type: none"><li>Built data hub services for reusing common processed data. (Java, Microservices)</li><li>Reorganized help articles to reduce customer support tickets. (A/B Testing)</li></ul>		
<b>Senior Software Engineer</b>	<b>BigOne Lab</b>	<b>2017 – 2020</b>
Data Intelligence Platform for Key Decision Makers		
<ul style="list-style-type: none"><li>Explored and applied new methods in Tech Lab. (AWS Lambda, Google Apps Script, Slack Bot, NLP)</li><li>Developed web crawlers to extract public data. (Python, Redis, MongoDB, Reverse Engineering)</li></ul>		
<b>Big Data Engineer</b>	<b>Ping++</b>	<b>2015 – 2017</b>
Business Intelligence Platform to Drive Growth		
<ul style="list-style-type: none"><li>Implemented data pipeline, user ID mapping, and key metrics.</li><li>Trained a sales amount prediction model for convenience stores.</li></ul>		
<b>Software Engineer</b>	<b>Amazon, China</b>	<b>2014 – 2015</b>
Merchant Fulfillment Network		
<ul style="list-style-type: none"><li>Integrated ship track information from the third-party carriers into Amazon.</li><li>Built operational reports queried from the data warehouse for monitoring and analyzing.</li></ul>		
<b>Software Engineer</b>	<b>IBM, China Development Lab</b>	<b>2009 – 2014</b>
IBM Z Mainframe Software License Management		
<ul style="list-style-type: none"><li>Redesigned the report generation pipeline by separating the data source and transformation.</li><li>Initiated and developed a test data builder tool, saving manual work by 85%.</li></ul>		

## Education

<b>Beijing</b>	<b>Beijing University of Technology</b>	<b>2002 – 2009</b>
<ul style="list-style-type: none"><li>Master's Degree in Computer Applied Technology, Jul 2009. GPA: 3.5</li><li>Bachelor's Degree in Computer Science and Technology, Jul 2006. GPA: 3.6</li></ul>		

## Additional Experience and Awards

- Meta Hacker Cup (2023):** Advanced to Round 2. Ranked 803rd out of 20000+.
- Codeforces:** Solved 3200+ problems. Ranked top 200. (ID: goalboy)
- Project Euler:** Level 13. Solved 329 problems. (ID: goalboy)

## Skills

- Java, Python, Rust, SQL, C, C++, JavaScript
- Data Structures and Algorithms, Full Stack, Cloud Computing

## Favorite IT Books

- “Programming Pearls” (Did all the exercises)
- “Clean Code: A Handbook of Agile Software Craftsmanship”