

# Ken Wang

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## SUMMARY

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- Java developer with 2+ years experience and both Computer Science and Data Science degrees
- Familiar with Spring Cloud microservice apps and have basic skills in big data and machine learning

## EDUCATION

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Java Development Training 2024

University of British Columbia 2022 - 2023

Master of Data Science Grade 84/100

University of Illinois at Urbana-Champaign 2013 - 2017

Bachelor of Computer Science Grade 3.6/4.0

## WORK EXPERIENCE

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Easemob (Agora Company) 2021 (6 months)

Java Engineer Beijing China

- Worked on a microservice-based SaaS Instant Messaging system built with Spring Cloud
- Implemented a prefix tree-based keyword detection service using Thrift RPC to block harmful messages
- Built a reactive Java SDK calling REST services with the Reactor Netty client
- Developed an envelope encryption library using AWS KMS to comply with GDPR
- Created a key-value store service with MySQL and Redis to store user metadata

Datablau 2020 - 2021 (5 months)

Java Engineer Beijing China

- Worked on a data governance tool to analyze metadata from databases like MySQL, Postgres and Oracle
- Implemented the data quality module, which scans DBs and validates data with user-defined rules
- Built REST APIs with Spring MVC to synchronize DB metadata with third-party systems
- Added comprehensive unit tests to existing modules using JUnit and Mockito

ShopHitly 2020 (5 months)

Backend Engineer Taiyuan China

- Worked on an early-stage E-commerce website, which sells cannabis hardware in Illinois US
- Built REST APIs from zero to one for the inventory and messaging systems using Node.js and MongoDB
- Set up CI/CD pipelines from zero to one with Docker, AWS ECS and CodePipeline.

Yahoo 2018 - 2019 (15 months)

Data Engineer Champaign IL, USA

- Worked on a low latency OLAP system for user engagement analysis
- Built ETL pipelines with Big Data technologies like Hadoop, Pig, Oozie and Hive
- Ingested data into Apache Druid to allow our analysts to query petabytes of data in seconds

## SKILLS

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- Java, Spring Boot, Spring Cloud, Hibernate, JUnit, Mockito, Maven, Tomcat
- MySQL, Postgres, Redis, Linux, Docker, AWS, Git, Hadoop, Node.js
- Python, NumPy, pandas, scikit-learn, PyTorch, SageMaker, Vega-Altair, Plotly