Ken Wang

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SUMMARY

- 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

Computer Science and Java Dev Study	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

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

- 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