陶赟

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EDUCATION

Bachelor　　Shanghai Jiaotong University (2006/09~2010/07)　　Computer Science

SKILL

1. AutoOps: usage of Shell/Python scripts and some tools like Zabbix, Ansible.
2. DB/DW: operation, develop, tuning and designing on MySQL/MongoDB/Redis/Vertica.
3. Distributed system：deploy Hadoop/Spark/Hive/Hue, do the operation and tuning work.
4. ETL develop：write ETL scripts and task scheduling. Collect logs with Kafka and logstash.
5. BI calculation：offline or streaming calculation on spark and adhoc query.
6. Data visualize：periodic mail, data interface，and reports on Zepplin/redash.
7. DevOps：write interface of cmdb，call zabbix api，write tools to push/pull data.
8. Other：pandas，bokeh，Prometheus..etc.

SELF ASSESSMENT

More than 5 years DW/DBA experience; take pressure; strong self-learning ability

WORK EXPERIENCE

2016/2 ~ so far　EA mobile

Job title：Senior BI engineer

Work：Design the architecture of DW, do daily operations on hadoop and vertica.

Develop ETL tools and write Calculation with spark and SQL.

Disscuss with project team, confirm the demands and create dimension model on DW.

Work with EA global, provide data interface and push data.

2015/7 ~ 2016/2　NOAH(诺亚财富)

Job title：Data platform engineer

Work：Build DBA team，be responsible for daily operation on DB and develop reports.

Ensure DB runing stably, write ETL to extract data to report DB.

Create data dashboard by open source BI tools from report DB.

Sometimes share some good practice, or introduce new BI tools with PPT.

2012/12 ~ 2015/7　QIYI(爱奇艺)

Job title：DBA

Work：Lead 3 people DBA team, work out DBA operation rules, carry out business objectives.

Be responsible for online DB operation work, include data backup, monitor and develop

some tools.

To confirm DB update of gaming platform, game goes live, DB merge, DB archive..etc.

Generate DB operation rules, and also do some project management work.

Take part in a data analyze project depends on Spark,

and write many data process and analyze scripts.

2012/04～2012/12　上海火游网络科技有限公司

Job title： DBA

Work： Work as dba for two online games.

2010/07～2012/04　China UnionPay(中国银联）

Job title： Test development engineer

Work： Test and develop work of UnionPay.

PROJECTS

- **DW Migration (EA mobile: 2016/5～2017/2)**

  Migrate DW from origin vertica only to the new architecture of hive + vertica with two
  people, rewrite SQL logic with Spark dataframe API use python.

  Redesign the structure of tables, and develop tools to control the execution of spark app.

  Develop interface to obtain running status of each ETL task.

- **Implementation of NBA mobile BI design (EA mobile: 2017/5～2017/9)**

  Figure out the log structure and data requirements with NBA mobile team.

  Design DW table model, generate data dictionary and log structure documents.

  Later NBA data service has run stably for more than one year to now,

  and the daily log size is about 320G.

- **NBA mobile user behavior analysis (EA mobile: 2018/1～2018/4)**

  Create user portrait with PM of NBA team,

  to do some marketing activities to specific type of players.

  We work out some category by user behavior,

  and design several key/value metrics in each behavior category.

  We choose some key metrics (about pay money, daily login ..etc),

  and define how to label a user who meet the specific K/V metric combination.

  Then we create a data interface by which the frontend can get labeled users.

  We use this system to push gift bag to specific type of players.

- **Automated operations platform (QIYI: 2013/11～2014/9)**

  Be responsible for developing the feature of DB instance management with three people.

Use flask-api module to develop interface.

The meta data of DB instance stores in mysql, using saltstack's API to manage DB instance.

- **Video log analysis (QIYI: 2014/11 ~ 2015/4)**

  Research usage of Spark with others, and use it to calculate CDN dispatch logs.

  Write log calculation scripts with spark RDD model.

  Work out some category by business type of logs,

  and provide unified service interface.