

# Yuan Fei

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## **Employment**

### **Senior Data Engineer**

**BigOne Lab**

**12/2017 – Now**

BigOne Lab Data Processing System

- Built an ETL pipeline, improved the productivity of data product development by 100%. (KETTLE, Greenplum)
- Designed new data ingestion system (AWS Kinesis, AWS S3, AWS Glue, AWS Athena, AWS Redshift)

BigOne Lab Dashboard for Data product

- Designed the architecture of the web dashboard. (AWS Route53, AWS ELB, AWS EC2, AWS ElastiCache, AWS Aurora, AWS Redshift, AWS DMS)

App traffic Analysis

- Analyzed traffic data of popular apps for key indexes (DAU, Cohort, User timespan, Retention, Hadoop MapReduce)

### **Data Engineer**

**Ping++**

**06/2016 – 11/2017**

Ping++ Growth Intelligence (GI) system

- Built an ETL system for the daily processing of millions of operational data. (Aliyun MaxCompute, SQL)
- Designed and built a data warehouse. (SQL)
- Developed customer analytical models. (RFM, LTV, Cohort)
- Implement a sales prediction application. (Xgboost)

### **Senior Software Engineer**

**IGT, China R&D Center**

**07/2009 – 05/2016**

sbx Media Manager Product

- Lead a team of 8 – 10 engineers and delivered 2 major releases of sbx Media Manager Product. (C#, WCF, Adobe FMS)
- Introduced CI and AT to improve product delivery. (TFS, MSBuild, TestComplete)
- Online/Field support for customer site issues timely and earned positive feedbacks from customers and colleagues.

sbx Patron Service

- Improved the responsiveness of player card-in by reducing 60% of the average wait time. (C#, WCF, caching)
- Built high code quality with UT coverage up to 98%.

sbx GCM Service

- Built extensible GCM service for communication with thousands of slot machines. (C#, WCF, SOA)

sbx Installer Tool

- Built sbx Installer Tool which reduced the complexity of sbx product deployment, saved 50% of the manual work when installations and upgrades for servicing team. (C#, WPF, Powershell)

## **EDUCATION**

**09/2002 – 07/2009**

**Beijing University of Technology (BJUT)**

**Beijing, China**

- Bachelor of Computer Science and Technology, Jun 2006. GPA 86
- Master of Computer Software and Theory, Jun 2009. GPA 85

## **ADDITIONAL EXPERIENCE AND AWARDS**

- Google Code Jam (2019): Advanced to Round 1. (ID: Afei)
- Facebook Hacker Cup (2019): Advanced to Round 1. Rank 1326 out of 2490 (ID: 飞)
- CodeChef Snackdown (2019): Advanced to Online Pre-Elimination Round. Rank 1191 out of 5006 (ID: yuanfei\_1984)

## **SKILLS**

- Java; C#; Python; SQL; Shell; Javascript
- Hadoop; Hive; Presto; Spark;
- OOD; UML; Web
- Algorithms; Machine Learning