PO-KAI CHANG

19th Jun 1992, TWN

Address:	No.55, Ln.435, Zhongyang Rd., Yuanlin City, Changhua County 510, Taiwan
Skype:	b99303103
Mobile:	+886-939-098-869
E-mail:	pokaichangtwn@gmail.com

Junior Software Engineer with 16 months in delivering and maintaining an in-house DSP (Demand Side Platform) for telecoms and another 8 months in ML research. Adept to designing and building backend dataflow, performance testing and tuning on backend, and integrating backend techs. Passionate in experimenting solutions on Docker, carrying out rapid development on Node.js or Python, applying ML libraries, and problem solving. Seeking for a job for backend software engineer or data scientist.

Skills

- Programming: Node.js (1.5y), Python (1y), Scala, REST, C/C++, Linux Shell (2y)
- Platforms: Linux
- Databases: Redis (1.5y), MongoDB, Elasticsearch
- Quality: automation test (Mocha), CI (GitLab), load tests (ApacheBench)
- ML libraries: DL4j, SciPy, scikit-learn, LIBSVM
- Others: Docker, ELK (Elasticsearch, Logstash, Kibana), Kafka cluster, Rsyslog (central log), Nginx (load balancer), behavior tracking (beacon, cookie), Spark cluster (Standalone), awk, familiarity with OpenRTB and DoubleClick Ad Exchange Buyer REST API, fearless debugging

Employment Details

Groundhog Technologies

Job Title: backend software engineer	Apr 2016 to Aug 2017

- Delivered and maintained an in-house DSP backend tailored for telecoms.
- Implemented highly scalable RTB (real-time bidding) modules through Nodejs accompanied by Redis and the logging system: Rsyslog, Kafka, ELK.
- Conducted research of the pressure test on our DSP to handle at least 5K qps.
- Deployed the in-house DSP product through docker-compose.
- Integrated with Exchanges such as Smaato and DoubleClick through OpenRTB protocol and visualized bidding history through ELK
- Collected user behavior data by implementing embedded JavaScript codes and Integrating with AppsFlyer – a mobile attribution platform.
- Supervised and collaborated with two team members and two interns on the design of backend architect, development, deployment of our DSP.

Job Title: data scientist	Jul 2015 to Apr 2016

- Implemented a user satisfaction indicator from telecom data through LIBSVM.
- Predicted home and work locations of subscribers from telecom data with DL4j.

Academic Background

B.S., Economics and Mathematics Minor, Computer Science	National Taiwan University	Sep 2010 to Jun 2015

Other Information

One paper in review under AAAI	11th Sep 2017 to present