

Tin Liu

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Amazon, Seattle WA

Software Development Engineer (Ad Server) Jan 2021 - Present

- Designed and refactored our ranking process to be able to rank candidates in batch in order to improve the efficiency and to utilize more authenticated ranking model.
- Supported the ID++ project to add namespace dimension to the targeting process so teams can experiment on their specific expanded target groups.

Software Development Engineer (Ordering Storage) April 2020 - Jan 2021

- Designed and built replay mechanism in the existing system to allow safer data compression format migration.

Zulily, Seattle WA

Software Engineer (Member Engagement Platform) Nov 2016 – April 2020

- Led the project to migrate/rebuild email sending system to be backed by SendGrid. Came up with Decorator Pattern myself and introduced to the project to have better code decoupling which in turn reduced the difficulty of writing unit tests and of parallel development. The system is in microservice architecture and allows easy debugging and scaling.
- Incorporated AWS Kinesis Analytics Flink Application into existing systems so we can process, analyze and monitor the log events in near real time.
- Helped team migration from Rackspace/Google to AWS. Mainly focused on getting batch jobs run on ECS and API services on Application Load Balancer.

IPsoft, Inc. New York NY

R&D Engineer July 2015 - Aug 2016

- Implemented tree-like hosts monitoring system to track the aggregated information.

New York University, New York NY

May 2015

Master of Science in Computer Science

3.7 / 4.0

National Tsing Hua University, Hsinchu, Taiwan

June 2009

Bachelor of Arts in Economics

3.45 / 4.0

Java, Scala, Python | MongoDB, MySQL, Redis, Cassandra | Docker, Kubernetes | Netty, Drop Wizard | Maven, Gradle, Spring | Flink, Spark | SQS, Kinesis, ECS, EMR, S3, CloudFront, CloudFormation, Lambda, RDS, DynamoDB, Athena