JASON YAO

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EDUCATION

New York University
College of Arts & Science
BA in Computer Science (CS)
Grad. May 2017

SKILLS

Programming

Programming Languages
Java, Python, C, JavaScript, Bash

Big Data Tools
(Py)Spark + Yarn, AWS EMR

Frameworks
Spring/SpringBoot, Django, NodeJS, Express

Databases
SQL: PostgreSQL, MySQL
noSQL: MongoDB

Tools
git, vim, kubernetes, docker, npm, travisCI, AWS-cli, LaTeX, droneCD

General

Languages (Native Fluency)
English, Mandarin

Miscellaneous
I know how to learn, use Google, sing badly in the shower, and read Stack Overflow.

ACTIVITIES

Techwatch@MediaMath
Phi Kappa Sigma Fraternity
Tech@NYU

05.26.2019

EXPERIENCE

Squarespace New York, NY (1 year, 2 months)
Software Engineer III Mar. 2018 – Present
- Software Engineer III on the **Domain Name Registrar** (DNR) team
- **Turned Squarespace, Inc. into a DNR,** enabling the ability to directly register, manage, and retrieve information about domains without 3rd parties
- Reduced company reliance on 3rd party vendors by building out registrar functionality in-house, projected to **lower costs on average by 20%,** and **increase reliability and uptime** for all domain actions
- First engineer on new team, building out a **Java SpringBoot-based microservice** wired into the monolith via Consul
- Wrote everything as part of the team from the underlying TLS/EPP layer to **business features such as availability checks and domain registrations**
- Wired up deep observability metrics via Prometheus/Graphana, **providing useful technical and business dashboards and alerts**

MediaMath New York, NY (8 months)
Software Engineer II Oct. 2017 – Mar. 2018
- **Tech Lead** for a company-critical ETL service that **generated all fee data used by thousands of advertising bidders world-wide**
- **Reduced client friction by over 90%,** and increased company's potential revenue substantially by enabling individual feature pricing
- **Increased team developer velocity by >300%** (based on story point completions before/after) by creating a command-line API interacting with service subsystems
- Continued assuming SDE II responsibilities, increasing team cohesion, technical ability, and positive feedback loop implementations
- Significantly increased visibility and insight into the service by building out monitoring and resiliency layers

Software Engineer I Jul. 2017 – Oct. 2017
- Designed & built out mission-critical internal financial platforms depended upon by the core of the company (responsible for over 70% of company revenue)
- Took on responsibilities of an SDE II early on, contributing to increasing team cohesion, technical ability, and the implementation of positive feedback loops for the team

Ivy Tech Capital Beijing, China (2 months)
Software Engineer Intern Jun. 2016 – Aug. 2016
- Created presentable **fantasy sports web service** MVP to incubator investors, winning an award for "Best Potential for Unicorn" by judging panel.
- Built with Python 3, Django, MySQL, nginx, and AWS