Sujun Zhu

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EXPERIENCE:

IXL Learning, Inc. (San Mateo, CA)

Java, Struts 2, Hibernate, Kafka, Guice, Postgres, Oracle DB, Cassandra, Redis, S3, NodeJS, Docker, Jenkins, Kibana, Elastic Search, Cronjob, Jackson/Gson, GitLab, SVN; React, Redux, HTML, SCSS, JS, Redux, Sockets.io, HighCharts.js, JsJoda.js, Webpack/YUI3, ES6; Jira, Slack.

Engineering Project Lead, Teacher Analytics team   01/08/2023 – present
  - Expanded the individual contributor scope and became the tech lead manager with 4 direct reports, working more closely with PMs, QAs, and other stakeholder teams.
  - Helping teachers around the world understand their students' needs and provide actionable insights.

Senior Software Engineer, Teacher Analytics Team   01/01/2021 – 01/07/2023
  - Worked as a full-stack software engineer building scalable web applications; as a founding member of an agile team of 8, focusing on developing reports and underlying infrastructure for over 14-million subscribers.
  - Established ownership of code space, e.g., participated in 30+ medium+ projects, providing engineering insights; serving in API committee for analytics teams, maintaining guidelines for team APIs open for use.
  - Built technical reputation as a go-to person, e.g., providing constructive code review feedback, mentored 3 junior engineers on team, resolved several P1s.
  - Led a team of 5 engineers and engaged closely with stakeholders including engineers, designers, PMs, and QAs, completing 5+ big inter/intra-team projects, from early planning to post-release to-dos.
  - Continuously contributed to team process/documentations and experienced in organization work like holding team events, presenting, and facilitating routine meetings/learning groups (e.g., Design Pattern).
  - Served as the Error Triage in a quarterly rotation, monitoring exceptions in applications/Cronjob log from production servers, debugging, resolving if time permits and otherwise triaging to corresponding teams.
  - Conducted 220+ interview rounds and onboarded 5+ engineering interviewers.

Software Engineer, Product Team 09/04/2018 – 12/31/2020
  - Involved in all aspects of developing teacher-level analytics reports, from designing analytics report backend hierarchy (JAVA + design patterns), to detailed frontend realization of user-friendly designs (React + Redux.)
  - Developed command line programs, involving Cron Jobs, analytical data pull, and quick data change.
  - Acted as a key contributor to a couple of large projects on building "real-time" reports for district and school leaders, tackling scaling issues involving building historical caches, optimizing DB queries, and threading.
  - Adapted NodeJS Headless Chrome microservice to analytics printing jobs stored in DB message queue. Wrote documentations and established the ownership of analytics printing infrastructure for 20+ reports.
  - Automated CRM tickets creation for the feedback internal tool using Salesforce API, speeding up by ~80%.
  - Proxied PDF population requests on all servers to only 2 app servers and lowered font licensed fees by ~95%.

Lovefoodies, Inc. (San Jose, CA)

NodeJS, Next.js, Sequelize, MySQL, Circle.ci, AWS; React, Redux, Observable, Jest

Software Engineer Intern   04/22/2018-08/22/2018
  - Worked on an appointment system for a private clinic business to offer 2000+ users stable and fast services.

EDUCATION:

University of Southern California (Los Angeles, CA)
  - Master of Science, Computer Science   08/2016 - 01/2018
  - Bachelor of Science, Computer Engineering Computer Science   08/ 2013 - 06/2016

PROJECTS:

Facebook Search App on iOS, Individual (PHP + MySQL, Angular, Swift.)   02/2017 - 05/2017
  - An iOS app with featured searches including querying by events nearby, and hot spots using Graph API.
  - Deployed to Google Cloud to reduce latency to less than 8ms for a large-scale user pool.