Simei Yeh

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Technologies and Architectures

Front-end: Javascript, React, HTML, CSS3, Babel, Webpack, jQuery
Back-end: Node.js/Express, MySQL, Oracle, MongoDB, PostgreSQL, Cassandra, Python
Other: AWS, Docker, EC2, JIRA, VBA, Jest/Enzyme, Mocha/Chai, NGINX, K6, NewRelic

Software Engineering Projects

Back-End Software Engineer, Herkshire Bathaway *PERN real estate short-term rental listing website*
Github: git.io/JtvlD
- Horizontally scaled an AWS deployed microservice to handle 750 RPS end-to-end in less than 70 ms response time
- Load balanced across 6 node servers to increase original request throughput by 500%
- Optimized Postgres query speeds achieving reads on database containing >100M records in less than 5ms
- Implemented 9 RESTful API routes to handle front-end CRUD operations

Fullstack Software Engineer, tradetheta *Flask-ReactJS-Postgres fintech stock / cryptocurrency chart and quotes website*
Demo: y2u.be/JlsFDk55-_0 ‖ Github: git.io/JtJ7c
- Full-stack Python flask application with 3 customized ChartJS graphs to display data points for stock ticker frequency, popularity, and intraday prices using parsed time series data for the Nasdaq 100, Reddit and bitcoin / altcoins
- Implemented debouncing on autocomplete functionality to reduce total fetch requests

Front-End Software Engineer, Home Sweet Home *MERN real estate rental and purchase listing website*
Demo: y2u.be/hpMcDYoDg-Y ‖ Github: git.io/JtvlA
- Optimized page load speed by decreasing load speeds from 2.2s to 0.6s on desktop and 7.1s to 1.2s on mobile by reducing bundle size and both image and text compression
- Designed database structure to minimize storage requirements by 90% and improve server-side response times
- Deployed application using a microservice architecture and AWS EC2

Experience

VP, Cash and FinTech Project Manager / Supervisor / Sr Associate | *PIMCO*   Dec 2012 - Oct 2020
- Global project manager and product owner of financial technology for firm-wide initiatives:
    - Drove both back-end infrastructure and front-end UI development across 5 Java / Python applications for 100+ internal users worldwide across 2 week sprints and resolved high-priority application issues
    - Conducted integration and user development testing for beta/production release and contingency plans
- Achieved 30% reduction in headcount to a team of 5 associates by developing workflow process automation across 20 cash investment / liquidity processes for G10 and emerging market currencies
- Regularly collaborated across cross-functional groups, trained new hires, and provided feedback to team members

Analyst | *George K. Baum & Co*   Jan 2011 - Dec 2012
- Optimized debt structure up to $60MM for school districts by building Excel/VBA models

Education & Certifications

Hack Reactor	*San Francisco, CA*	Software Engineering Immersive Program	2021
CFA Institute	*Newport Beach, CA*	Chartered Financial Analyst Charterholder	2016
UC Berkeley	*Berkeley, CA*	B.A. Economics	2010

Personal

D&I Initiatives: Executive Board for OC Human Relations Nonprofit ∣ PIMCO Women Contributor ∣ PIMCO Advisory Council
Interests/Activities: Zoom Yoga Instructor (200-hr certified), board games, stock/option trading