Tatsuya Oiwa

10+ years hands-on experience in backend services design and development for large-scale consumer platforms. Extensive knowledge of cloud based architectures, software design patterns and domain modeling. Highly motivated team player with incessant and intellectual curiosity.

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Skills

‣ Programming: Java, Kotlin, Node.js, TypeScript, JavaScript

‣ Datastore: MySQL/PostgreSQL, DynamoDB, Redis/Memcached, Elasticsearch

‣ Operating System: Linux, macOS

‣ Natural Language: Japanese (native), English (proficient)

Experience

Senior Backend Engineer, Quartz; New York, United States – June 2019 - Present

‣ Lead design, development, code review, quality assurance, and delivery of backend systems driving Quartz web (qz.com), apps (iOS and Android), and internal tools for editors and curators in the newsroom.

‣ Integrate and optimize two separate companies' systems while maintaining large legacy code base and learning new technologies and architectures.

‣ Combine interface ideas with technical possibilities and come up with a pragmatic and effective solution with business priorities.

Senior Backend Engineer, NewsPicks USA; Tokyo, Japan – March 2018 - May 2019

‣ Led the expansion and the integration of Quartz and NewsPicks' two regional systems and services, including membership, paid subscription, news aggregation, curation, and personalization.

‣ Developed and implemented technology roadmaps according to business strategies and made detailed plans for and managed the process of design, development, testing, maintenance, and quality assurance to ensure that the backend systems meet the company's goals.

Software Engineer, Gilt Groupe Japan; Tokyo, Japan – June 2016 - February 2018

‣ Developed and maintained 10+ Java backend services driving GILT (gilt.jp), one of the leading online flash sale sites in Japan.

‣ Monitored and fixed application performance bottlenecks to effectively handle high-volume traffic at peak time.

‣ Designed and implemented various e-commerce features including product search, product listing, membership, shopping cart, inventory reservation, checkout, and payment.

▸ Identified application's performance bottlenecks under high traffic when daily sale starts and delivered optimal solutions.

Software Engineer, Rakuten; Tokyo, Japan – April 2010 - June 2016

▸ Focused on DevOps to simplify deployment, configuration, and operations of large-scale, self-service, distributed search platform for Rakuten, Japan's largest online shopping mall, which was also relied upon other Rakuten's services worldwide, including in Europe and in the Americas.

▸ Developed backend APIs in Java to monitor, manage, and control the statuses of search cluster and components over command line and graphical interfaces.

▸ Designed and developed web console backend and frontend in JavaScript for internal search quality A/B testing.

Publications

ElasticSearch Server Japanese Edition, co-edited with Jun Otani, Genta Kaneyama, Yusuke Mito and Junnosuke Moriya. ASCII Media Works, March 2014.

Education

Shizuoka University – Bachelor of Science, Informatics, 2006-2010