Tatsuya Oiwa

Software engineer with 7+ years of hands-on experience in server-side, large-scale, distributed systems design and development. Specialities include microservices, RESTful services, domain-driven design, information retrieval, retail and e-commerce businesses.

E-mail: tatsuyaoiw@gmail.com   Github: github.com/tatsuyaoiw
Website: tatsuyaoiw.com   LinkedIn: linkedin.com/in/tatsuyaoiw

Skills

‣ Programming: Java (proficient), JavaScript (intermediate), Python (beginner), Ruby (beginner)

‣ Middleware: Lucene/Elasticsearch/Solr, Nginx, Zookeeper, Cassandra, Docker, Redis, PostgreSQL

‣ Operating System: Linux (Ubuntu, CentOS), macOS

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

Experience

Software Engineer, Gilt Groupe Japan; Tokyo, Japan — June 2016 - Present

‣ Build and maintain 10+ micro-services backend in Java 8 for gilt.jp, one of the leading online fashion retailers in Japan, originally from New York.

‣ Work with latest Java libraries (Jetty, Jersey, Jackson, Guice, Guava, MyBatis, Lombok) and various open source technologies (Docker, PostgreSQL, Elasticsearch, Redis).

‣ Focus on product search and listing, sale access control, favorite brands, personalization, shopping cart, inventory reservation, checkout, payment, etc.

‣ Monitor, find and fix application performance bottlenecks to effectively handle high-volume traffic around 9 p.m. every night when new sale starts.

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

‣ Worked on building in-house, self-service, distributed search platform in Java for Japan's largest online shopping mall.

‣ Focused on DevOps to enable automated deployment and cluster coordination for large-scale backend search services.

‣ Built internal web app from scratch with JavaScript (Express and Angular) to compare and evaluate different search ranking algorithms side by side for 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