Tatsuya Oiwa

+81-90-1234-5678
tatsuyaoiw@gmail.com

1-1-1 Kugenuma Kaigan, Fujisawa-shi,
Kanagawa, 251-0037, Japan

Summary

Software engineer with 6 years hands-on experience in server-side, large-scale, distributed system development and administration. Currently working on developing in-house self-service search platform for e-commerce businesses, mainly focusing on DevOpts and administrative API design/implementation. Programming in Java for most backend systems, and in Node.js for internal tools or prototyping. Github: tatsuyaoiw Blog: tatsuyaoiw.com.

Skills

- Web Application Development: Java, JavaScript (Node.js)
- Search and Storage Middleware: Nginx, Solr, Cassandra, Hadoop
- Automated Deployment and Cluster Coordination: Chef, Zookeeper
- Operating System: Linux (CentOS, Ubuntu)
- Software Design: Object-Oriented, RESTful API
- Language: Fluent in Japanese, proficient in English (speaking, reading, writing)

Experience

Software Engineer, Rakuten, Inc.; Tokyo, Japan — December 2012 - Present

- Designed and implemented robust, scalable and flexible HTTP request router, built with Nginx, for e-commerce search backend. Using Chef, ZooKeeper and custom Java API, deployment and configuration of Nginx are fully automated. Backend server topology, load balancing weight, and request throttling can also be controled through the API. After releasing this feature, we were able to always keep consistent setting, as well as enabled frequent A/B testing in a safe way.
- Developed internal UI tool in Node.js to compare multiple search results side-by-side, mainly used for demo and manual impression testing.

System Administrator, Rakuten, Inc.; Tokyo, Japan — April 2010 - November 2012

- Deployed, configured and maintained large scale search platform built with FAST ESP.

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