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Yoko Harada

yokolet.com/blog
github.com/yokolet
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Summary
Highly experienced Software Developer with knowledge of numerous fields; full-stack web developer, open source contributor, community leader. Machine Learning/Deep Learning experience. Polyglot programmer.

Technical Skills
Languages: Ruby, JavaScript (TypeScript), Python, Java, Clojure/ClojureScript, SQL, Bash, C++
Databases: Datomic(NoSQL), MySQL, PostgreSQL, Redis, Key-Value Store(DynamoDB, levelDB)
Frameworks/Libraries/Technologies: Git, Rails, GraphQL, REST, Vue.js, React, Luminus/Reagent, Heroku, AWS, GCP, DigitalOcean, Ansible, HTML/XML/CSS, JSON, HTTP, Linux/Unix, PyTorch, TensorFlow, scikit-learn

Work Experience
Self-employed, Tokyo, Japan. Software Developer   *August 2023 - February 2024*
- Architected, developed, and deployed a Ruby on Rails application both back-end and front-end including database design for an e-commerce site, which provided necessary features for the app.
- Developed a tool to handle SOAP requests/responses to get data for the website contents.

Apple, Inc., Cupertino, CA. Application Developer (Contractor)   *October 2019 - January 2022*
- Developed both front-end and back-end for the internal web application to improve the features.
- Developed NLP model and data processing pipeline, which detected real credentials successfully.
- Developed a vulnerability detection system for AWS instances using multiple AWS technologies.
- Developed a monitoring tool, which greatly helped maintain healthy instance conditions.

Apple, Inc., Cupertino, CA. Japanese Language Engineer (Contractor)   *April 2019 - September 2019*
- Cleaned huge data and extracted meaningful entities for NLP to continuously improve accuracies.
- Developed internal tools and improved the productivity of the team.

Red Hat, Tokyo, Japan. 3scale Senior Support Engineer   *October 2017- March 2018*
- Handled technical questions/inquiries from customers about API management platform.
- Solved customers' problems with OpenID Connect, OAuth authentication and others.

Cognitect, Inc., Durham, NC. Software Developer   *October 2012 - February 2017*
- Developed cloud-based application using AWS API, which worked asynchronously, and securely to handle bigger dataset efficiently.
- Developed a Datomic-based scalable ETL application to fill gaps between SQL and NoSQL.
- Developed multiple Ruby on Rails applications from back-end to front-end including database tuning. Used REST/Swagger to provide a handy data management tool. Contributed to vastly improving customer's workflow experience.
- Developed a single sign-on component for Spring Framework by OAUth and CAS to provide choices to a customer.

Web Studio Nepole, Tokyo, Japan. Self-employed, Software Developer   *April 2000 - March 2005*
- Developed web applications to give customers a web interface, which changed their job style.
- Authored three highly successful books on Java server technologies.

Oki Electric Industry Co., Ltd, Tokyo, Japan. Software Developer   *April 1988 - March 2000*
- Developed Image compression application, which was later used in the product
- Spearheaded to introduce the Internet technologies into group workflow using rich Unix/Linux administration knowledge, which resulted in significant productivity gains.

Education
Udacity - C++ Nanodegree	*March 2022*
Udacity - Deep Learning Nanodegree	*July 2018*
Udacity - React Nanodegree	*December 2017*
Udacity - Full Stack Web Developer Nanodegree	*February 2017*
Udacity - Machine Learning Engineer Nanodegree	*December 2016*
Hokkaido University in Sapporo Japan - Computer Science, M.S.	*March 1988*
Hokkaido University in Sapporo Japan - Applied Physics, B.S.	*March 1984*

Projects
Rainy Day Blog [https://gitlab.com/yokolet/rainy-day-blog]   *May 2024*
- Ruby on Rails and Vue.js 3, GraphQL, OAuth2 PKCE
- Other Technologies Used: PostgreSQL, Redis, RSpec, Vite Ruby, Vite, Bun, Pinia, Tailwind CSS

TextBlog [https://github.com/yokolet/textblog]   *February 2019*
- Ruby on Rails and React/Redux, GraphQL, OAuth2, PostgreSQL
- Technologies Used: GraphQL, React/Redux, Apollo, Rails, OAuth (social login), PostgreSQL

Other Projects [https://yokolet.com/about/portfolio/]

OSS/Community Contributions
JRuby Project (Java implementation for Ruby) - Developed API and fixed bugs

Nokogiri Project (XML library for Ruby) - Developed JRuby support and fixed bugs

Rails Girls
Organized the first Rails Girls workshop in Japan, established the local community for the workshop

ClojureBridge
[https://github.com/clojurebridge](NPO, workshops for beginners) - Led NPO, authored curriculum, organized workshops

Award
Ruby Hero 2012 - Named as a Ruby Hero for the dedicated development contributions to JRuby and Nokogiri

Presentations
Clojure/west 2015
RubyNation 2014
RailsConf 2013
BlendConf 2013
JRubyConf 2012
StrangeLoop 2011
RubyConf 2010
JRubyKaigi 2010

Publications
Java Server Side Programming second Edition (2003), Tokyo: Gijutsu-Hyohron Co., Ltd, ISBN4-7741-1697-1
Java Server Side Programming (2001), Tokyo: Gijutsu-Hyohron Co., Ltd, ISBN4-7741-1165-1
Java Servlet (1999), Tokyo: Shuwa System, ISBN4-87966-870-2