YuZhen Xie

EDUCATION

NATIONAL TSING-HUA UNIVERSITY
Master of Computer Science and Information Engineer
Sep.2014 – Aug.2016 | Hsinchu, Taiwan

ABOUT ME

LinkedIn:// **Profile**
OSS contribution: //
philkra/elastic-apm-php-agent
philkra/elastic-apm-laravel
Domination Map:// **website**
Email:// **yujhen5@gmail.com**
Phone:+81-80-8812-0881

SKILLS

PROGRAMMING
Kotlin • Spring Boot • Spring Cloud Sleuth • Spring Cloud Zipkin • Spring Security • PHP • Lumen/Laravel • Redis • PHPUnit • Python • C# • C

LANGUAGE
English TOEIC: 820/990
Mandarin Chinese

EXPERIENCE IN
RESTful API Design • JIRA • IntelliJ • PHPStorm • Git

WORK EXPERIENCE

RAKUTEN, INC. | Software Engineer, Golf Product Development Group
Nov 2016 – Current | Tokyo, Japan

DISTRIBUTED TRACING SYSTEM
- designed and developed distributed tracing system for microservices (Elastic APM, Elasticsearch, Kibana)
- troubleshoot latency issues and visualize microservices' relationships

TOKEN-BASED AUTHENTICATION SERVICE
- developed RESTful APIs of authentication service based on JWT and fingerprint
- designed and developed authentication mechanism to handle authentication failure (Spring Security)
- designed and configured service to allow multiple login portals and maintained the scalability

MICROSERVICE MANAGEMENT AUTOMATION
- built deploy pipeline for Spring Boot and Laravel microservices (Chef, Ansible)

API GATEWAY PERFORMANCE ANALYSIS
- numeralized latency of microservices by log (graylog, python)

DOMINATION MAP
- designed and developed bug-free, daily-based ranking algorithm for **2M** users and 47 Japanese prefectures (Redis)
- designed and built robust RESTful APIs of the domination map function and designed and developed the unit test (PHP, Lumen, PHPUnit)

BUSINESS TOOL
- implemented client-acclaimed, mobile-first, reusable UI components (Vue.js, JavaScript/ES6, Webpack, Babel, Bootstrap Vue, Element)
- cooperated with API gateway developers, consuming JSON-based RESTful APIs, and solving troubles quickly by identifying and addressing root causes

INTERNSHIP

MICROSOFT | Software Engineer, Platform Evangelism Department
Jul 2013 – Jun 2014 | Taipei, Taiwan
- co-worked with start-up companies and assisted them developed their services on Windows Phone App and Windows Store App (C#, XAML)

RESEARCH

STRING MATCHING ALGORITHM FOR A WIRELESS LOW-POWER REAL-TIME GESTURE RECOGNITION SYSTEM
Dec. 2015 – Jul. 2016 | Hsinchu, Taiwan
Developed a real-time hand-gesture recognition algorithm suitable on low-power MCU for wearable devices with wireless transmission capability. (C, Python)

AWARDS

Year		Award
2018	2nd	Rakuten Development Project
2018	2nd	Rakuten OSPD GORA MIP