

YUANYE (TED) ZHOU

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SUMMARY OF QUALIFICATIONS:

Programming Language: Java, Javascript, Python, HTML/CSS, UML, Bash

Programming Skills: Applied Algorithms, Design Patterns, Java/J2EE, Servlet, Elasticsearch/Kibana, React/Redux/Angular, Node, Jenkins, Docker, Microservice, REST, GraphQL, ETL, i18n/l10n, Maven/Gradle, Git, Agile

WORK EXPERIENCE:

Software Engineer, Full-time, Tripadvisor, Ottawa, Canada

4, 2018 - present

© Contributed to Elasticsearch based search services to enhanced user experience

- Constructed and refined queries with different content types to accelerate the process of retrieving more relevant results
- Performed A/B test to fast iterate new features to increase the click through rate
- Maintained and monitored Elasticsearch infrastructure with multiple clusters to support billions of multi-language data
- Migrated Elasticsearch to Docker and updated version with zero downtime
- Upgraded pipelines for continuous indexing, promoting and pruning indices

© Led social reference and global navigation

- Coordinated among different teams and PMs to envision the specifications and deliverable timeline
- Engineered the React components for data presentation and interaction as well as the endpoints

© Advanced search tracking pipeline

- Handled hundreds of millions of tracking records daily to hive and AWS S3
- Boosted the performance of ETL pipeline: 40% faster with 70% reduced disk space
- Redesigned search tracking payload to empower the machine learning model training
- Migrated the tracking data into snowflake (TB level)

© Mentored new hires / interns

Software Engineer, Full-time, Cisco System, Ottawa, Canada

4, 2017 – 4, 2018

© Created Jenkins pipelines with new customized plugins as the execute engine and integrated it into web based testing automation infrastructure with friendly user interface

© Designed a dashboard framework for monitoring and analyzing test cases using Elasticsearch and Angular

Software Developer, Full-time, Trend Micro, Ottawa, Canada

11, 2015 - 4, 2017

© Developed new features for a hybrid-cloud, enterprise security product that runs on the using J2EE

© Initiated new schemas in database (SQL Server) and new REST APIs

© Built the visualization and interaction of a multi-platforms, enterprise Single Page Application(SPA) using React and Redux

EDUCATION:

M.A.Sc, University of Ottawa, Electrical and Computer Engineering, Canada

9, 2013 - 5, 2015

© Research on Wireless Sensor and Actor Network

GPA: 8.6/10

© Research / Teaching Assistant