

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, Microservice, REST, Elasticsearch/Kibana, Kafka, Agile React/Redux/Angular, Node, Jenkins, Docker, GraphQL, ETL, i18n, Maven/Gradle, Git

WORK EXPERIENCE:

Senior Software Engineer, Full-time, Okta, Remote, Canada 9, 2020 - Current

©Dedicated to the new admin experience and authentication pipeline

Software Engineer, Full-time, Tripadvisor, Ottawa, Canada 4, 2018 – 5, 2020

©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
- Upgraded Elasticsearch infrastructure with multiple clusters to support billions of multi-language data and 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 and 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

©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 Assistant / Teaching Assistant