

김상환

Software Engineer

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EXPERIENCE

Cloud Backend Engineering

Sumo Logic 09/2018 - 12/2018 Silicon Valley, CA, USA

- Experienced with high traffic services of 100TB+ data ingestion per day and highly scalable, distributed systems
- Implemented Resource Aware Kafka topic partitioning balancing loads of cluster by measuring the amount of resources and ingest lags of data points per nodes and Kafka topic partitioning in Scala
- Improved a feature blacklisting customers with expensive queries, managing and storing them in Apache Zookeeper node
- Wrote 100+ unit and integration tests in test driven development

Sergeant

Republic of Korea Army 2015 - 2017 Seoul, South Korea

Android JNI Developer

Bridge Mobile 09/2014 - 12/2014 Seoul, South Korea

- Improved performance of Android voice engine by 10% after reducing noise and variants in C

Software Engineer

Work Market (ADP) 09/2013 - 12/2013 New York, NY, USA

- Decreased KPIs query time by 30%+ through data optimization, designing intermediate tables for data collecting and indexes usage implementation
- Resolved 10+ bugs per week and developed additional features on the application using Java Spring framework

Software Engineer

Hubdoc 01/2013 - 04/2013 Toronto, ON, Canada

- Created 30+ automation systems in Node.js for retrieving online documents from billing accounts
- Developed a v1 mobile application in PhoneGap platform

Programmer Analyst

Manulife Financial 05/2012 - 08/2012 Toronto, ON, Canada

- Developed an internal application and tool for managers to use for data management and financial investments
- Improved database structure by writing 50+ database tables and storing procedures using SQL Server

Software Developer

Roadpost 09/2011 - 12/2011 Toronto, ON, Canada

- Improved and optimized web application for satellite and GPS service in C# and ExtJS
- Developed an application for managing text messages and emergency contacts using .NET

Software Developer

Well.ca 2010 Guelph, ON, Canada

- Operative role focused on developing and maintaining application using PHP, MySQL and JQuery

SUMMARY

캐나다 워터루 대학교에서 컴퓨터 공학을 전공하였고 2019년 4월에 졸업하였습니다. 미국, 캐나다, 한국에서 총 2~3년의 Co-op 프로그램을 통해 서버 사이드, 프론트엔드, 모바일 어플리케이션 등 다양한 실무 개발 경험을 했습니다. 사이드 프로젝트를 통하여 최신 기술을 배우는 것을 즐겨하고, End-to-end 개발 경험을 통해 프로젝트 디자인과 개발 스펙트럼을 넓혔습니다. 현재는 대용량 분산 서버 개발에 흥미를 가지고 있습니다.

PROJECTS

Topchart

YouTube playlist web application for finding trending songs from popular music charts

Bulkup

Web application for managing meal plans and tracking weight

SpringCam

Android camera application with the capacity to resize person's face and height in real-time

Momento

A real-time photo sharing application for groups

SKILLS

Java	Scala	C/C++	Node.js
Python	SQL	Redis	React.js
Angular.js	HTML	CSS	

TRAINING / COURSES

ECE 454 Distributed Computing
ECE 457 Computer Security
ECE 406 Algorithm Design and Analysis
ECE 416 Advanced Topics in Networking
ECE 459 Programming for Performance
ECE 452 Software Software Design and Architectures

EDUCATION

Computer Engineering

University of Waterloo