

# SANG KIM

software engineer



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## EXPERIENCE

### Cloud Backend Engineering

**Sumo Logic**    📅 09/2018 - 12/2018    📍 Redwood City, CA, USA

- Experience with high traffic services of 100TB+ data ingestions per day and highly scalable, distributed systems
- Implemented Resource Aware Kafka topic partitioning balancing the loads of cluster by measuring 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

- Assisted Captain as an Assistant Secretary of Commanding General by handling documentation, scheduling meetings, and answering phone calls from various departments
- Supervised 7+ squad members and ensured mission accomplishments

### Android Developer

**Bridge Mobile**    📅 09/2014 - 12/2014    📍 Seoul, South Korea

- Improved performance of a mVoIP engine by 10% after reducing noise and variants
- Increased customer retention by 10% through system optimization using C++ and JNI framework in Android
- Acquired 200K+ users in 2 months by collaborating with a team of 15, working on new app features, fixing bugs and conducting unit tests

### 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

### 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

## TECHNOLOGIES

### Skills



## PROJECTS

### Topchart

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

🔗 <https://skim4441.github.io/>

### 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

## EDUCATION

### Computer Engineering

University of Waterloo

## COURSES

ECE 454 Distributed Computing  
ECE 458 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