

Jack Song

Software Engineer

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Mission

Think big picture
Build strong processes
Iterate aggressively
Deliver results

Languages

Java JavaScript
Python Ruby C# C++
SQL Golang

Tech

Android Couchbase
Pandas Node.js Rails
React Webpack AWS
Celery D3.js Docker

Education

U. of Waterloo
Software Engineering
~ 90% Average
Honors List

Interests

Digital Painting
Reading
Sketching
Guitar
Harmonica
Rock Climbing
Judo

Maisha Meds



Data Science, Android

Nairobi, since Jan '17

- Direct business behavior with Pandas, Amplitude analytics, and sales data
- Design and build async data system with Celery, AWS Lambda for medical care
- Core Android work on offline first, data-heavy, pharmaceutical Point of Sale app
- Handle UX, security, Couchbase migrations and conflict resolution

Mobilized Construction



Consulting CTO

Nairobi, since Feb '17

- Present technology decisions based on business requirements to founders
- Hiring and conducting interviews for CTO and full time positions
- Triage Xamarin and full stack tech for maintainability and deadlines

Square



Rails, Android

San Francisco, May-Aug '16

- Built a RESTful Rails application for voting with image attachments
- Created BLE Beacon notifications and experimented with Bluetooth compression
- Rewrote server for asset database- now REST compliant with RSpecs
- Fixed and added widgets to JS and CSS library

Top Hat



Android

Toronto, Sep-Dec '15

- Main dev for classroom engagement app with over 100,000 installs
- Managed successful releases, hotfixes, and improved Google Play rating
- Rewrote data handling architecture and improved websockets reliability
- Pioneered agile and coding practices for improved burndowns and sprint results

Ultimate Software



JS, C#

Weston, Jan-Apr '15

- Created an interactive, domain-specific web-scraper from scratch in JS
- Released Visual Studio extension for visualizing code dependency in libraries
- Awarded for D3.js based GUI for CI management in company hackathon
- Experimented with parallel device testing and TeamCity continuous integration

IBM

IBM .NET full stack

Toronto, May-Aug '14

- Implemented feature to replicate and restart a full cloud deployment with data
- Worked in full-time team on enterprise features for a financial cloud application

Pattio

Node, React, Docker, Webpack, WebRTC
Social web app focused on voice calls for close friends, family

Page Predictor

Javascript, Chrome Extension
Predicting human behavior with a JS recurrent neural network

Matterbot

Golang
PR for Mattermost, default chatbot similar to Slackbot

Arimaa Free

Android board game
500+ installs on Google Play Store