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 Pandas
Node.js Rails
React Webpack D3.js
Docker

Education

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

Interests

Digital Painting
Sketching
Guitar
Harmonica
Rock Climbing
Judo

Maisha Meds — Data Science, Android
Nairobi, since Jan '17

- Direct business behavior with Pandas, Amplitude user analytics, and sales data
- Design and build async SMS feedback system for medical care models
- Core Android work on offline first, data-heavy, phamaceutical 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 — .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

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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