Jason **Zukewich**

jgzuke@gmail.com   jgzuke.me   jgzuke

Skills

Languages	Javascript, Typescript, Python, Scala, Java, Kotlin, Ruby, C++, PHP
Tools/Frameworks	React, Webpack, GraphQl, Play Framework, Rails, Flex/Bison, RxJava

Experience

Airbnb - WEB INFRASTRUCTURE (JAVASCRIPT)   *May 2018–Present*
- CI bot to comment on pull requests if any js became unused, removing 250+ modules and 90+ exports in first two months
- Cleaned 140000+ line of unused code, removed 1.5+ MiB from bundles, moved some old code onto webpack build pipeline
- Added React Portal support to Enzyme, build a tool to display bundle size and dependecy graph from source maps

Asana - CLIENT INFRASTRUCTURE (TYPESCRIPT, SCALA, PYTHON)   *Jan–April 2018*
- Codemodded various pieces of frontend tech debt, removed all node style index files reducing bundle sizes significantly
- Added GraphQL style directives to Asana query language, supported optimistic updates for one object type
- Refactored model/query code generation system, reduced generated model/query bundle size
- Made improvements to the performance regression testing framework, added tests for important components

Dropbox - API PLATFORM (PYTHON)   *May–Aug 2017*
- Implemented and improved some functionality for Dropbox Api V2 endpoints to enable the shutoff of Api V1
- Added redaction/omission annotations and lint rules to Stone (Dropbox model/route specification language)

Coursera

FULL STACK (JAVASCRIPT, SCALA)   *Sept–Dec 2016*
- Launched a new Dashboard and Course Home experience improving course completions by 13%
- Moved Dashboard frontend/backend to use GraphQL as our first pilot project

ANDROID (JAVA, KOTLIN)   *Jan–April 2016*
- Helped build a new Dashboard, support for Peer Review assignments, an Accomplishments page, and more
- Rewrote large parts of the app to fit with our newer data architecture

TextNow - ANDROID (JAVA)   *May–Dec 2015*
- Wrote TextNow floating chat, a new call screen and messaging interface, and a Premium/Wireless redesign
- Fixed numerous bugs and made performance improvements to various parts of the app

Projects

TechRetreat HACKATHON	Helped organize Waterloo's first High-school Hackathon/Learnathon, Co-ran the Learnathon Taught attendees to build AIs for TechTanks (2015), and wrote Android Learnathon lesson plan (2016)
Stone Plugin JAVA, FLEX, BISON	Created Jetbrains plugin for Stone with 383 downloads, made during Dropbox HackWeek Supports code completion, go to definition, syntax highlighting, refactoring, etc
TechTanks RAILS	Browser based game to teach Ruby, players write AIs to control tanks and battle against their friends Used at TechRetreat and Hack the North
DDR Generator PYTHON, SKLEARN, KERAS	Takes in an mp3 and outputs a step file that fits the style of the music Extracts features relevant to the music and feeds through a series of ml models to generate steps
Swipler CHROME EXTENSION	Detect hand gestures using your laptops mic and speakers with the Doppler effect Switches through or closes tabs when you swipe different directions
3D Viewer ANDROID	3D viewer for Android, turn your phone to move/look around Built completely from scratch using only the basic Android canvas

Education

University of Waterloo - BACHELOR OF COMPUTER SCIENCE   *2014–2019 (Expected)*
- Engineering Ambassador, First Year Mentor, Orientation Leader, Engineering Director