VANHACKS

Vanhacks Hackathon
API and SDK Resources

We want you to succeed! To help you accomplish building some awesome solutions for our beneficiary organizations we have assembled a list of resources you can take advantage of during vanhacks.

In this document you will find lots of resources.

These include:

- APIs that provide potentially useful data
- Resources for building backends and APIs
- Places to deploy your code to the cloud, often for free
- Programming Resources for iOS
- Programming Resources for Android
- Programming Resources for Frontend Javascript
- Programming Resources for NodeJs Javascript

You can certainly also use other technologies and languages.

API Backend providers

Parse Server

https://parse.com/docs

https://github.com/ParsePlatform/parseserver

Notes: Parse alternatives: https://github.com/relatedcode/ParseAlternatives

Twitter Fabric

https://get.fabric.io/

https://docs.fabric.io/ios/index.html

https://docs.fabric.io/android/index.html

Built.io

https://docs.built.io/apireference

http://javascriptsdk.builtapp.io/

iOS getting started https://docs.built.io/quickstart

Amazon Mobile Hub

https://aws.amazon.com/mobile/?nc2=h_l3_ms

http://aws.amazon.com/mobile/sdk/

Microsoft Azure App Service

https://azure.microsoft.com/en-us/documentation/scenarios/web-app/

https://azure.microsoft.com/en-us/documentation/scenarios/mobile-app/

https://azure.microsoft.com/en-us/services/app-service/mobile/

https://azure.microsoft.com/en-us/documentation/learning-paths/appservice-mobileapps/

Slack APIs

https://api.slack.com/

https://api.slack.com/web

https://api.slack.com/rtm

https://api.slack.com/docs/presence

https://api.slack.com/docs/unfurling

https://api.slack.com/docs/attachments

https://api.slack.com/docs/formatting

https://api.slack.com/docs/slack-button

https://api.slack.com/methods

https://api.slack.com/community

Swift: https://github.com/pvzig/SlackKit

Java: https://github.com/Ullink/simple-slack-api

Hootsuite APIs

https://hootsuite.com/developers/app-directory/docs/api

Amazon Product API

http://docs.aws.amazon.com/AWSECommerceService/latest/DG/Welcome.html

http://docs.aws.amazon.com/AWSECommerceService/latest/DG/ItemSearch.html

http://docs.aws.amazon.com/AWSECommerceService/latest/DG/ProgrammingGuide.html

Nutrition APIs

Usda National Nutrient Database API

http://ndb.nal.usda.gov/ndb/api/doc

Fatsecret Platform

http://platform.fatsecret.com/api/Default.aspx?screen=rapih

http://platform.fatsecret.com/api/Default.aspx?screen=lib

Nutritionix API

http://www.nutritionix.com/database

http://www.nutritionix.com/business/api

https://developer.nutritionix.com/docs/v1_1

Nutritionix JS API

https://www.npmjs.com/package/nutritionix

Bar Codes And UPC

UPC Lookup: https://developer.nutritionix.com/v1_1/quickstart/upc-scan

iOS UPC Scan: http://zbar.sourceforge.net/

BC OpenData APIs

More Info

https://www.bcdevexchange.org/home

Api Listing And Search

http://api.bcdevexchange.org/

Developers & Pay For Pull

https://www.bcdevexchange.org/developers

https://www.bcdevexchange.org/programs

Geocoding API

http://api.bcdevexchange.org/api-console.html?swaggerUrl=https://api.gov.bc.ca/data/8f4a016f-14db-4def-8ef9-7c797de1cdd9/resource/1a46fd76-1316-4fab-9d99-a2286dcd2b7b/download/geocoder.json

DataBC Open Data

DataBC

http://www.data.gov.bc.ca/

BC Foodbanks

http://catalogue.data.gov.bc.ca/dataset/bc-food-banks

Police Jurisdiction Boundaries

http://catalogue.data.gov.bc.ca/dataset/police-jurisdiction-boundaries

Crime Prevention Grants

http://catalogue.data.gov.bc.ca/dataset/community-safety-and-crime-prevention-grants/resource/de65cd42-fc0b-4bc0-8ea8-26fe1f0b47f8

City of Vancouver Open Data

http://data.vancouver.ca/datacatalogue/index.htm

Neighbourhoods

http://data.vancouver.ca/datacatalogue/localAreaBoundary.htm

Traffic Cameras

http://data.vancouver.ca/datacatalogue/webcam.htm

http://vancouver.ca/streets-transportation/traffic-cameras.aspx

Messaging

Mailgun Mail API

https://www.mailgun.com/

Sendmail API

https://sendgrid.com/docs/API_Reference/index.html

Apple Push Notifications Service

https://developer.apple.com/notifications/

https://developer.apple.com/library/ios/documentation/NetworkingInternet/Conceptual/RemoteNotificationsPG/Chapters/ApplePushService.html

Google Cloud Messaging

https://developers.google.com/cloud-messaging/

Cloud Servers

Auro (Vancouver)

https://auro.io/

CloudA

http://docs.clouda.ca/api/

Microsoft

https://azure.microsoft.com/en-us/pricing/details/app-service/

Azure free sign up $200 credits

https://azure.microsoft.com/en-us/free/

https://azure.microsoft.com/en-us/free/pricing-offers/

AWS

https://aws.amazon.com/free/

Google Cloud

https://cloud.google.com/

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iOS Resources

Apple Developer SDKs for iOS

https://developer.apple.com/ios/

Google SDKs for iOS

https://developers.google.com/ios/

Twitter Fabric iOS SDK

https://docs.fabric.io/ios/examples/cannonball/index.html#overview

Parse iOS SDK

https://parse.com/docs/ios/guide

Amazon iOS SDK

http://docs.aws.amazon.com/mobile/sdkforios/developerguide/

Sendgrid iOS

https://github.com/sendgrid/sendgrid-objc

https://sendgrid.com/blog/send-email-in-ios-with-new-sendgrid-library/

Mailgun iOS

http://blog.mailgun.com/objective-c-mailgun-sdk-now-available/

https://cocoapods.org/?q=mailgun

Android Resources

Google Android APIs

https://developers.google.com/android/

Google Vision API

https://developers.google.com/vision/

Amazon SDK for Android

http://docs.aws.amazon.com/mobile/sdkforandroid/developerguide/

Twitter Fabric Android SDK

https://docs.fabric.io/android/index.html

Parse Android SDK

https://parse.com/docs/android/guide

Sendgrid Email

https://sendgrid.com/blog/send-email-from-android-applications/

https://github.com/thinkingserious/sendgrid-android-example/blob/master/src/com/thinkingserious/sendgrid/MainActivity.java

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Frontend Javascript APIs

Google APIs
https://developers.google.com/api-client-library/javascript/
https://developers.google.com/apis-explorer/#p/

Parse Javascript API
https://parse.com/docs/js/guide

Amazon Javascript SDK
https://aws.amazon.com/sdk-for-browser/

AngularJS
https://angularjs.org/

ReactJS
https://facebook.github.io/react/

Ionic
http://ionicframework.com/

NodeJS Javascript APIs

Nodejs Docs
https://nodejs.org/en/docs/

NPM
https://www.npmjs.com/

Google Nodejs API

https://github.com/google/google-api-nodejs-client

Amazon Javascript Nodejs SDK

https://aws.amazon.com/sdk-for-node-js/

http://docs.aws.amazon.com/AWSJavaScriptSDK/guide/node-services.html

Microsoft Azure Nodejs

https://azure.microsoft.com/en-us/develop/nodejs/

List compiled by Radical I/O Technology for Vanhacks