



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 back-ends 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/parse-server>

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/api-reference>

<http://javascripSDK.builtapp.io/>

iOS getting started <https://docs.built.io/quick-start>

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/quick-start/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 Boundries [

<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/>]

Cloud-A [<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/>]

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>]

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/>]