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.

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**API Backend providers**

**Parse Server**

[https://parse.com/docs](https://parse.com/docs)
[https://github.com/ParsePlatform/parseserver](https://github.com/ParsePlatform/parseserver)

Notes: Parse alternatives: [https://github.com/relatedcode/ParseAlternatives](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/services/app-service/mobile/

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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

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
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

Google Cloud Messaging
https://developers.google.com/cloud-messaging/
Cloud Servers

Auro (Vancouver)
https://auro.io/

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

Microsoft

Azure free sign up $200 credits
https://azure.microsoft.com/en-us/free/

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

Google Cloud
https://cloud.google.com/

iOS Resources

Apple Developer SDKs for 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

Mailgun iOS
http://blog.mailgun.com/objective-c-mailgun-sdk-now-available/
https://cocoapods.org/?q=mailgun

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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/
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