

# SERVERLESS WITH FIREBASE

**JERRY JALAVA**

Senior System Architect, Google  
Developer Expert, Authorised Trainer

[JERRY@QVIK.FI](mailto:JERRY@QVIK.FI) | @W\_I

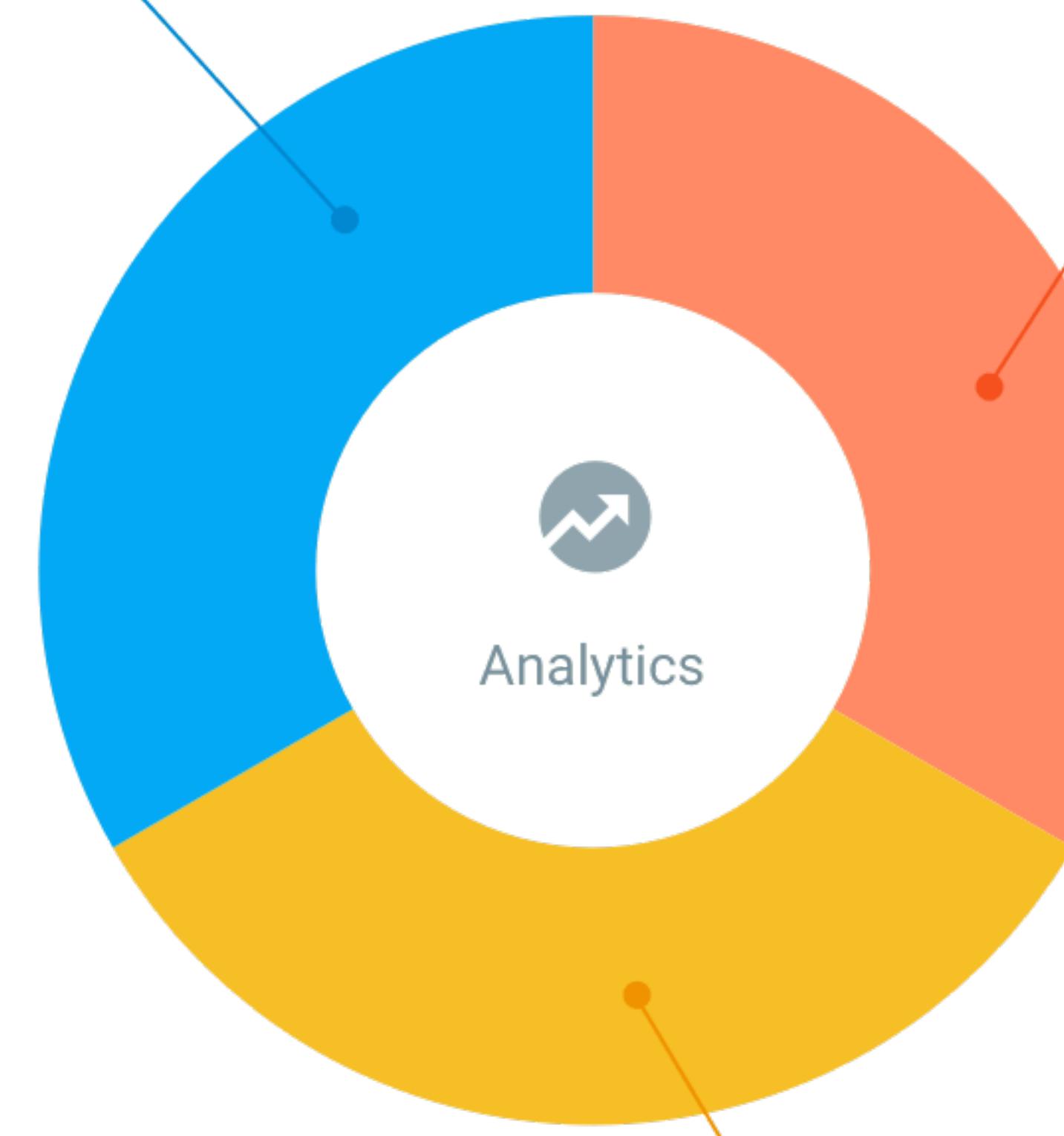


**QVIK**



## DEVELOP

-  Realtime Database
-  Authentication
-  Cloud Messaging
-  Storage
-  Hosting
-  Remote Config
-  Test Lab
-  Crash Reporting



## GROW

-  Notifications
-  App Indexing
-  Dynamic Links
-  Invites
-  AdWords

## EARN

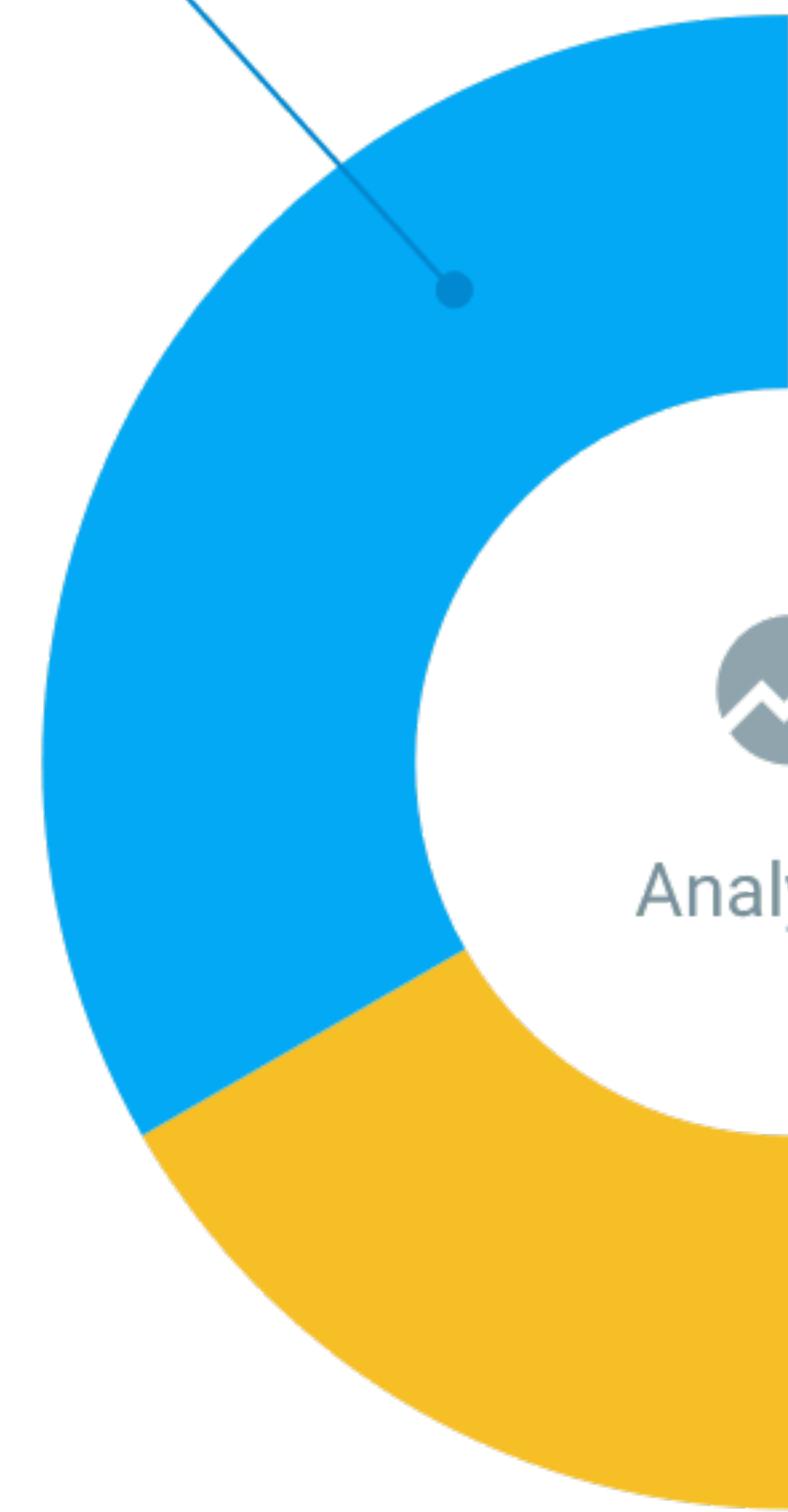


<https://firebase.google.com>

## DEVELOP

---

-  Realtime Database
-  Authentication
-  Cloud Messaging
-  Storage
-  Hosting
-  Remote Config
-  Test Lab
-  Crash Reporting



<https://firebase.google.com>

# WHAT AM I DEMOING

- ▶ Hosting
- ▶ Authentication
- ▶ Realtime Database
- ▶ Storage



**CHAT, CHAT, CHAT, CHAT**

**MOST EXAMPLES ONLINE  
ARE CHATS**

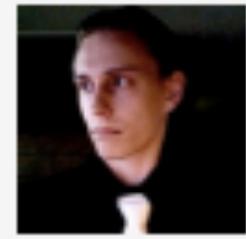


THE WORLD IS SOCIAL  
**LETS BUILD SOMETHING FOR IT**

@W\_I

MEET

FELLO



Jerry Jalava

My Messages: 9 Friends: 2

This is a mini social messaging platform. Built as a demo  
for "Serverless with Firebase".

Write a nice post! (140 characters)



Publish

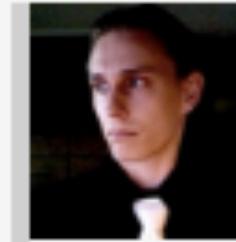


Wow, it is snowing already.

— Niko Hälvä friend

I wish it was summer again. This cold weather is not for me

Jerry Jalava —



LETS BUILD IT

YOU MAY FOLLOW

[HTTPS://GITHUB.COM/JERRYJJ/FELLO](https://github.com/jerryjj/fello)

@W\_I

### Create a project

Project name

Country/region ?

By default, your Firebase Analytics data will enhance other Firebase features and Google products. You can control how your Firebase Analytics data is shared in your settings at any time. [Learn more](#).

[CANCEL](#) [CREATE PROJECT](#)

### Settings

GENERAL DATABASE CLOUD MESSAGING

Your project

Project name	Fello
Public-facing name <small>?</small>	Fello
Project ID <small>?</small>	fello-
Web API Key	AlzaS

**STEP ONE**

# **LET'S SETUP A BASE**

**[HTTPS://GITHUB.COM/JERRYJJ/FELLO/TREE/MASTER](https://github.com/jerryjj/fello/tree/master)**

**@W\_I**

## CONNECT CUSTOM DOMAIN

Connect custom domain

1 Add domain 2 Verify ownership 3 Go live

Enter the exact domain name that you want people to see when they visit your site. (yourdomain.com) or subdomain (www.yourdomain.com or app.yourdomain.com).

Domain

yourdomain.com

To verify ownership of this domain, add the following TXT records in your DNS provider:

Host	backender.io	Host	ba
Type	TXT	Type	TX
Value	globalsign-domain-verification=iOkRx9-nllpZmyK70-VDaVwgV9Gwa4NT1SVcdHa tdB	Value	fire

It can take up to 24 hours to verify a domain. You'll be notified by email once it's issued.

**Add record set**

DNS Name ? .backender.io.

Resource Record Type ? TTL ? TTL Unit ?  
TXT 5 minutes

TXT data ?

"globalsign-domain-verification=iOkRx9-nllpZmyK70-VDaVwgV9Gwa4NT1SVcdHa  
tdB"

"firebase=fello-5e82e"

+ Add item

Requesting SSL certificate  
You will be notified by email once it's issued.

[HTTPS://CONSOLE.FIREBASE.GOOGLE.COM](https://console.firebaseio.google.com)

@W\_I

**STEP TWO**

# **AUTHENTICATION**

[HTTPS://GITHUB.COM/JERRYJJ/FELLO/TREE/STEP\\_TWO](https://github.com/jerryjj/fello/tree/step_two)

@W\_I



Authenticate and manage users from a variety of providers without server-side code

 [Learn more](#)

[SET UP SIGN-IN METHOD](#)

Google

Enable

Google sign-in is automatically configured on your connected iOS and web apps. To set up Google sign-in for your Android apps, you need to add the [SHA1 fingerprint](#) for each app on your [Project Settings](#).

Whitelist client IDs from external projects (optional) [?](#)

Web SDK configuration (optional) [?](#)

[CANCEL](#) [SAVE](#)

[HTTPS://CONSOLE.FIREBASE.GOOGLE.COM](https://console.firebaseio.google.com)

@W\_I

**STEP TWO**

# **FAST-FORWARD IN TIME**

[HTTPS://GITHUB.COM/JERRYJJ/FELLO/TREE/STEP\\_TWO](https://github.com/jerryjj/fello/tree/step_two)

@W\_I

**STEP THREE**

# **REALTIME DATABASE**

[HTTPS://GITHUB.COM/JERRYJJ/FELLO/TREE/STEP\\_THREE](https://github.com/jerryjj/fello/tree/step_three)

@W\_I

**STEP FOUR**

# **STORAGE**

[HTTPS://GITHUB.COM/JERRYJJ/FELLO/TREE/STEP\\_FOUR](https://github.com/jerryjj/fello/tree/step_four)

@W\_I

**STEP FIVE**

# **FRIENDS**

[HTTPS://GITHUB.COM/JERRYJJ/FELLO/TREE/STEP\\_FIVE](https://github.com/jerryjj/fello/tree/step_five)

@W\_I

**WELL DONE**

**CONGRATULATIONS!**

**STEP SIX**

# **CLOUD MESSAGING**

[HTTPS://GITHUB.COM/JERRYJJ/FELLO/TREE/STEP\\_SIX](https://github.com/jerryjj/fello/tree/step_six)

@W\_I

The screenshot shows the Fello app's settings interface. At the top, there is a navigation bar with a home icon, the word "Fello", and a gear icon. Below the navigation bar, there are three tabs: "GENERAL", "DATABASE", and "CLOUD MESSAGING", with "CLOUD MESSAGING" being the active tab. On the left side, there is a sidebar with an "Analytics" icon. The main content area is titled "Project keys" and contains two entries: "Server key" and "Sender ID". The "Server key" value is partially visible as "AIzaSyD...". The "Sender ID" value is "005000000401".

Server key	Sender ID
AIzaSyD... XXXXXXXXXXXXXX	005000000401

[HTTPS://GITHUB.COM/JERRYJJ/FELLO/TREE/STEP\\_SIX](https://github.com/jerryjj/fello/tree/step_six)

@W\_I

**FINALLY...**

**THANK YOU!**