



experts club

Criando aplicação **Websocket** usando **Node.js** com **Serverless Framework** na **AWS**

17/08/2021

Agenda

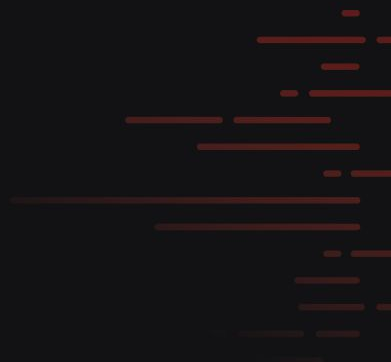
- Sobre mim e a minha relação com o código;
- Sobre a aula
- Requisitos, ambiente e recursos
- Sobre websocket
- Sobre os serviços usados
- Sobre o projeto
- Na Prática



Sobre mim e a minha relação com o código

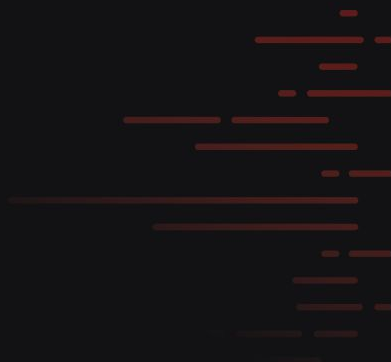


- Ismael Nascimento 'Ash'
- Desde 2014 na área da tecnologia
- Consultor (arquitetura/desenvolvimento)
- Redes sociais:
 - <https://app.rocketseat.com.br/me/ismaelash>
 - <https://www.linkedin.com/in/ismaelash>
 - <https://github.com/ismaelash>
 - https://www.instagram.com/_ismaelash
 - <https://youtube.com/ismaelnascimentoash>
 - <https://ismaelnascimento.com>



Sobre a aula

- Websocket
- Serverless Framework
- AWS
- Github Workflows
- Código necessário para a aula criado anteriormente:
 - <https://github.com/ismaelash/template-nodejs-aws-websocket>

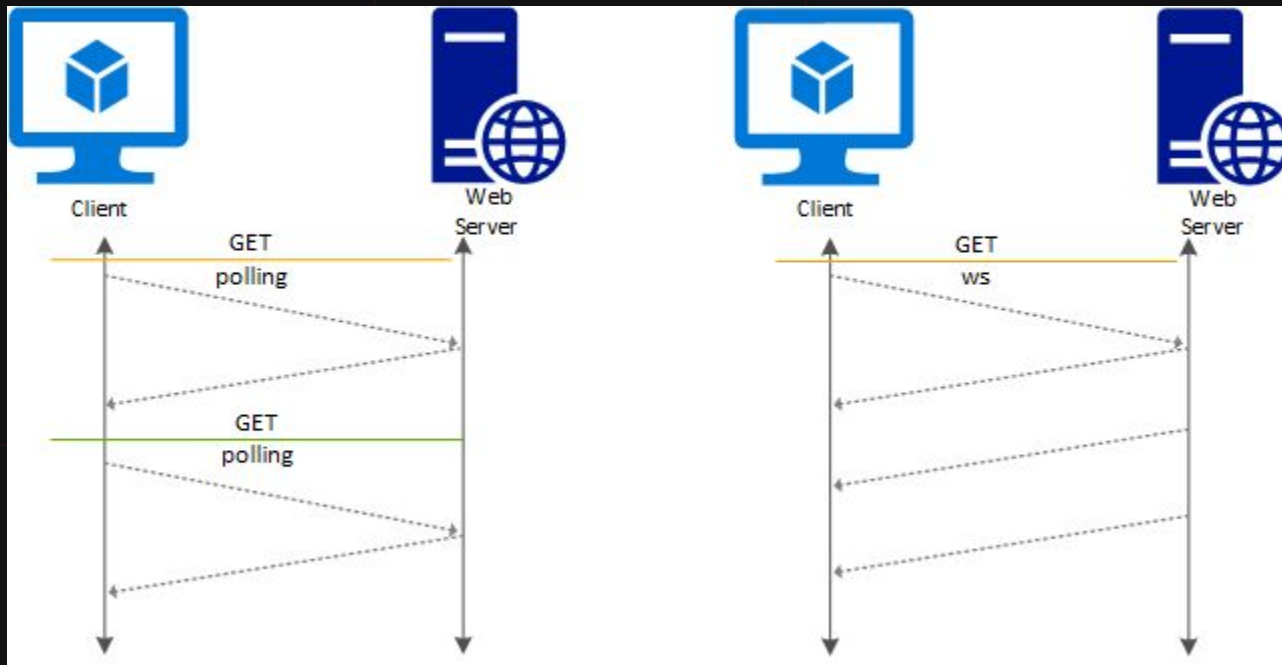


Requisitos, ambiente e recursos

- Requisitos para um melhor aproveitamento da aula:
 - Conta da AWS
 - Conta Github
 - Conta Serverless Framework
- Ambiente e recursos necessários:
 - Visual Studio Code
 - Node.js
 - Chrome Extension: Websocket Test Client

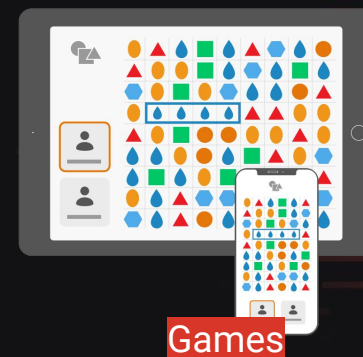
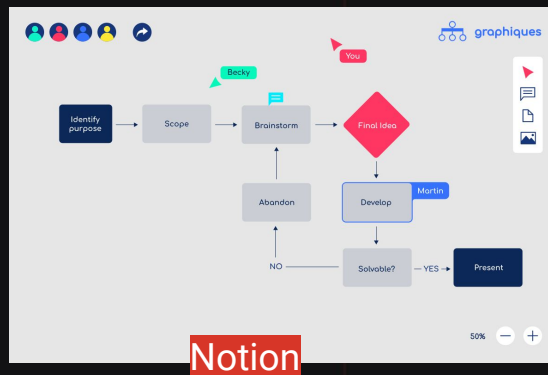
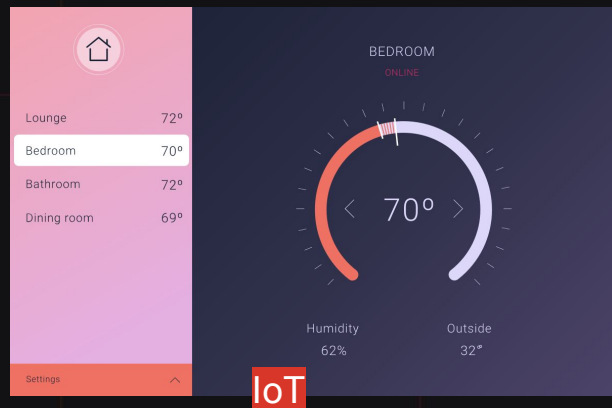
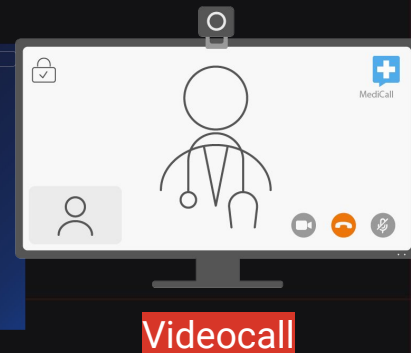
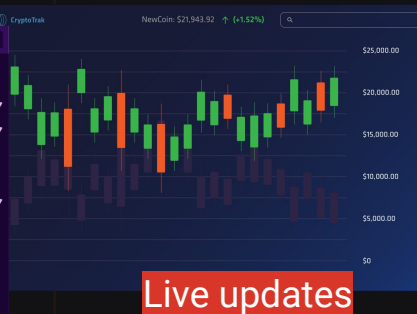
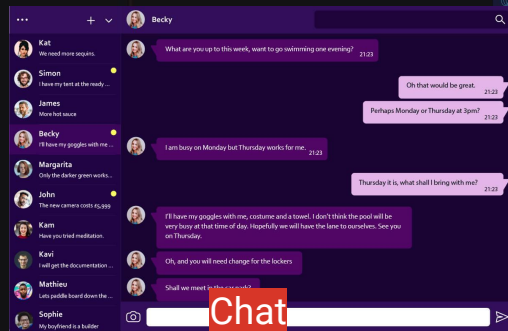


Sobre websocket



Sobre websocket

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Sobre os serviços usados

serverless  framework



IAM



AWS CloudFormation



Amazon S3



Amazon API
Gateway





AWS Lambda



amazon
DynamoDB



Sobre o projeto




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
ismaelash / [template-nodejs-aws-websocket](#) Template



[Code](#) [Issues](#) [Pull requests](#) [Actions](#) [Projects](#) [Wiki](#) [Security](#) [Insights](#) [Settings](#)

[main](#)  1 branch  0 tags

[Go to file](#) [Add file](#) [Code](#) [Use this template](#)

 ismaelash [UPDATED] [Readme](#) 90c4f38 3 hours ago 15 commits

	.github/workflows	Update deploy-main.yml	3 hours ago
	lambdas	[UPDATED] Many refactory	4 hours ago
	utils	[UPDATED] Many refactory	4 hours ago
	.gitignore	initial commit	3 days ago
	.npmignore	initial commit	3 days ago
	README.md	[UPDATED] Readme	3 hours ago
	package.json	[UPDATED] Many changes	15 hours ago
	serverless.yml	[UPDATED] Many refactory	4 hours ago
	template-api-gateway-proxy-request...	[UPDATED] Small changes	3 hours ago
	template-requests-project.json	[UPDATED] Small changes	3 hours ago

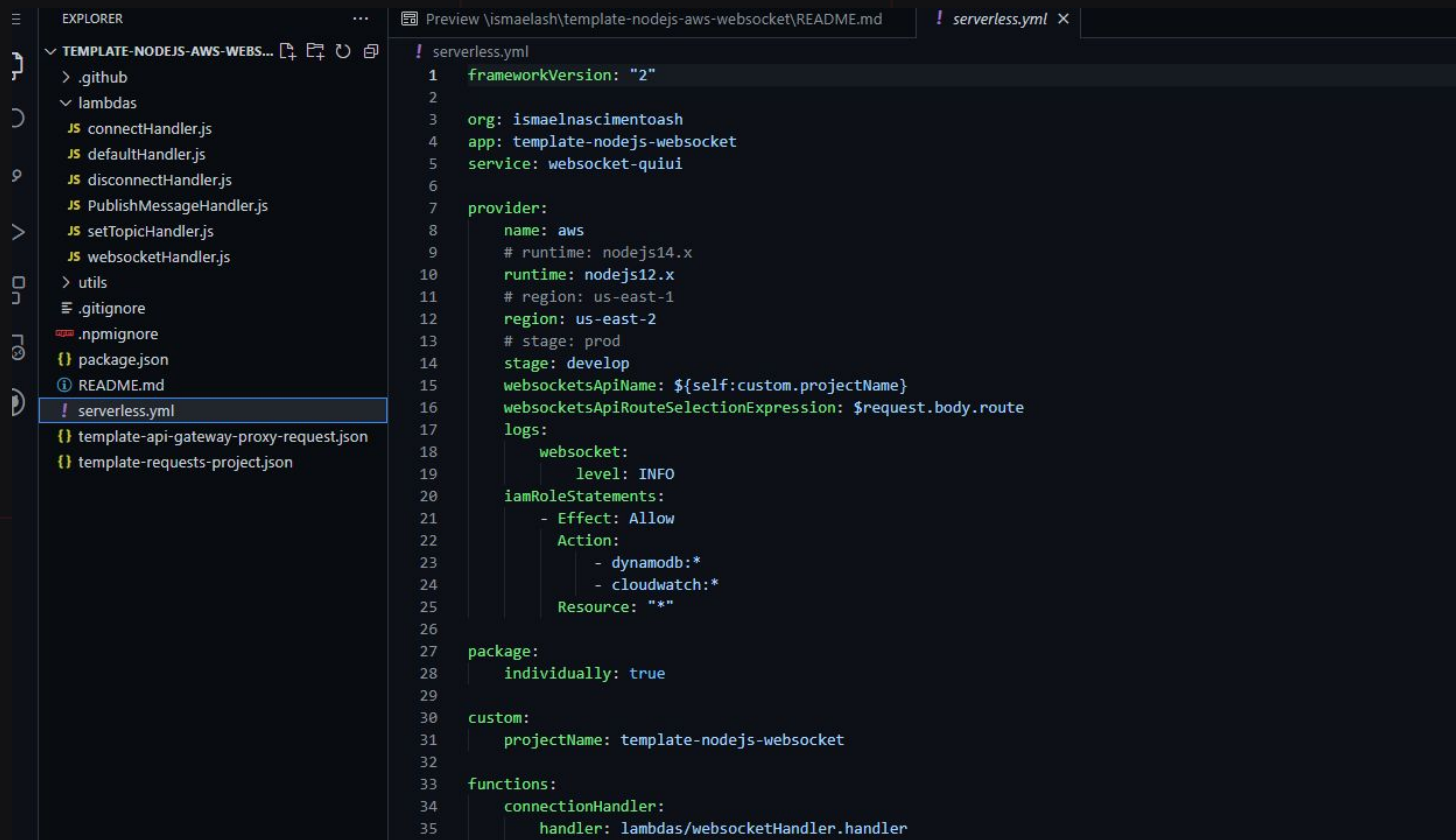
 [README.md](#) 

Template Websocket with Node.js and AWS

Websocket application with Node.js, Serverless Framework and AWS Services

[Video how to use](#) · [Report Bug](#) · [Request Feature](#)

Na prática



The image shows a VS Code editor interface. On the left, the Explorer sidebar displays a project structure for 'TEMPLATE-NODEJS-AWS-WEBSOCKET'. The files listed include .github, lambdas (with sub-files connectHandler.js, defaultHandler.js, disconnectHandler.js, PublishMessageHandler.js, setTopicHandler.js, and websocketHandler.js), utils, .gitignore, .npmignore, package.json, README.md, and serverless.yml (which is selected). The main editor area shows the content of serverless.yml, which is a Serverless Framework configuration file. The configuration includes frameworkVersion, org, app, service, provider (aws), package, custom, and functions sections.

```
1 frameworkVersion: "2"
2
3 org: ismaelnascimentoash
4 app: template-nodejs-websocket
5 service: websocket-quiui
6
7 provider:
8   name: aws
9   # runtime: nodejs14.x
10  runtime: nodejs12.x
11  # region: us-east-1
12  region: us-east-2
13  # stage: prod
14  stage: develop
15  websocketsApiName: ${self:custom.projectName}
16  websocketsApiRouteSelectionExpression: $request.body.route
17  logs:
18    websocket:
19      level: INFO
20  iamRoleStatements:
21    - Effect: Allow
22      Action:
23        - dynamodb:*
24        - cloudwatch:*
25      Resource: "*"
26
27 package:
28   individually: true
29
30 custom:
31   projectName: template-nodejs-websocket
32
33 functions:
34   connectionHandler:
35     handler: lambdas/websocketHandler.handler
```



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Referências

- <https://www.serverless.com/framework/docs/providers/aws/>
- <https://www.serverless.com/framework/docs/providers/aws/events/websocket/#websocket/>
- <https://www.npmjs.com/package/serverless/>
- <https://docs.microsoft.com/pt-br/azure/application-gateway/application-gateway-websocket#how-does-websocket-work>
- https://docs.aws.amazon.com/pt_br/apigateway/latest/developerguide/apigateway-websocket-api-overview.html



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Obrigado!

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