



# user group

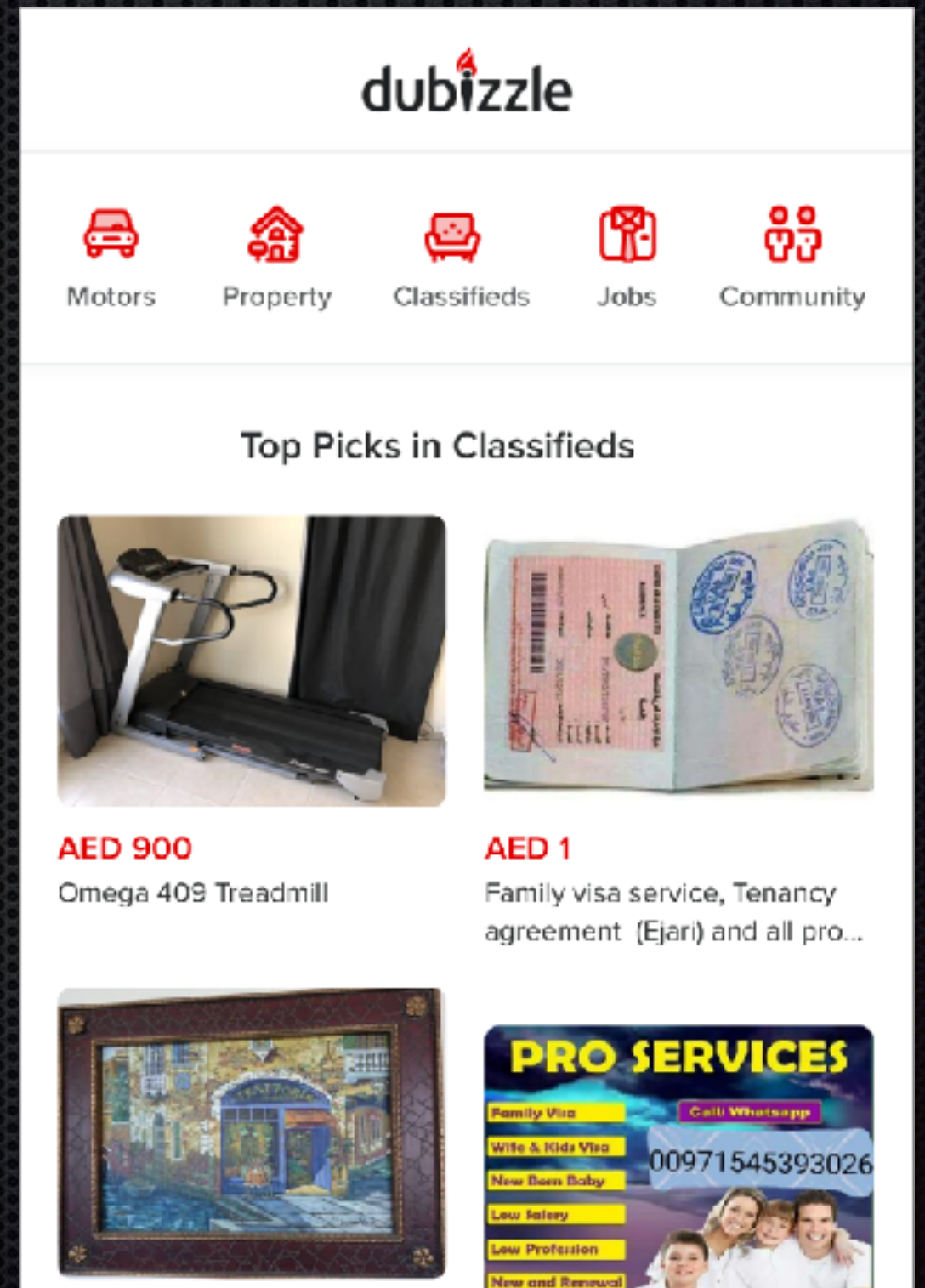
## Dubai Meetup - 20 June 2018

<https://github.com/serverless-dubai>



Thank you,  
Dubizzle  
They're hiring!

[joinolx.com/careers/search](https://joinolx.com/careers/search)



<https://github.com/serverless-dubai>



# Agenda

- ✦ Introduction to the Serverless Framework and this Meetup (5 mins)
- ✦ Real-time serverless analytics at Shedd (25 mins)
- ✦ Serverless Components (20 mins)
- ✦ Questions and Discussion (10 mins)



# Real-time serverless analytics at Shedd

Dobo Radichkov

Senior Director, OLX Ventures

<https://github.com/serverless-dubai>



# Serverless Components

Rob Sutter

Technical Project Manager, Prototype Interactive

<https://github.com/serverless-dubai>



# Serverless Components?

- ✦ Uniform experience
- ✦ Composable building blocks
- ✦ Ecosystem of community contributions





# Existing Components

- ✦ GitHub Webhook
- ✦ Mustache Template Component
- ✦ Netlify Site Provisioning
- ✦ Static Website



# We leverage 3 AWS building blocks for real-time data analytics



KINESIS

*Stream data*



LAMBDA

*Process data*



ELASTICACHE

*Store data*





# Analytics on a Budget

- ✦ REST API - Load data
- ✦ Lambda - Process data
- ✦ DynamoDB - Store data



# Let's build!

- ✦ Step 1 - serverless.yml and index.js setup
- ✦ Step 2 - Create our Lambda function and add it to serverless.yml
- ✦ Step 3 - Add REST API to serverless.yml
- ✦ Step 4 - Add our DynamoDB to serverless.yml
- ✦ Step 5 - Deploy!



# Current Limitations

- ✦ Not all services supported, e.g., Kinesis
- ✦ us-east-1 region only
- ✦ No rollback support



# Additional Resources

- ✦ <https://serverless.com/blog/what-are-serverless-components-how-use/>
- ✦ <https://github.com/serverless/components>
- ✦ <https://aws.amazon.com/api-gateway/>
- ✦ <https://aws.amazon.com/lambda/>
- ✦ <https://aws.amazon.com/dynamodb/>

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Next Meetup - 25 July 2018

<https://github.com/serverless-dubai>