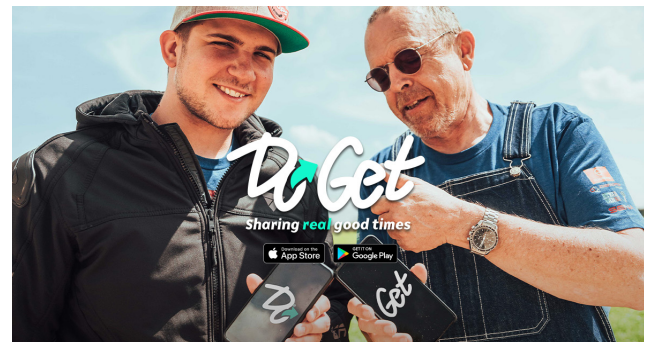**CUSTOMER: 1000PS INTERNET GMBH**

tecRacer builds a 1000PS smartphone app for motorbike fans

On the motorbike websites 1000PS.at and 1000PS.de, interested motorbike, scooter and quad riders can find editorial information and currently, over 34,000 offers in the marketplace. The pages were first launched in 2001 and 2003 and have been modernised repeatedly. 1000PS was founded in Vienna in 2000 by student Nils Müller. Today he holds 24 percent of the shares; 76 percent belong to Motorpresse International and thus to the publishing group Motorpresse Stuttgart, which produces Europe's biggest motorbike magazine, „MOTORRAD". In addition, 1000PS wants to network motorbike fans beyond the existing forum: Via a smartphone app which suggests exciting and personally suitable activities.

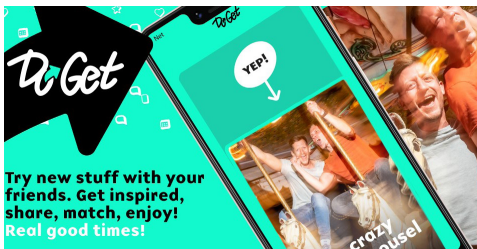### Experience in AWS decisive for the first cloud project

For 1000PS, many years of experience working with Amazon Web Services (AWS) was a key criterion when selecting a service provider to implement the first cloud project. Therefore, as an AWS Premier Tier Services Partner in the APN Amazon Partner Network, tecRacer took on the design and development of the serverless backend architecture. In close cooperation with the customer 1000PS, a solution was jointly developed in the cloud, and a GraphQL API was created for the smartphone app.

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A social network for joint activities with the motorbike

The next task was to build a social network for motorbike enthusiasts. For them, there should be suggestions for engaging in activities in a smartphone app created for this purpose. The algorithm should be adaptive and suggest suitable activities together with friends. By swiping up or down in the app, fans can quickly and conveniently decide which activities are engaging. Friends connected in the app also see these activities as suggestions. If both decide on "yes", a match is made. The app then helps them find a date to do the activity together.

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Database maps relationships with different weighting

To propose more and more customised activities, a database is needed that can map relationships between different properties such as users, activities or regions. AWS Neptune, a graph database, was therefore chosen. In it, the relationships between entries can be modelled with different weights. More than ten algorithms create a new activity deck for each day. The system learns over time and with each action. The algorithms thus find more and more practical activities for individual app users.

Contact person at the customer:

Nils Müller, Managing Director, Vienna

"*For our first cloud project, it was crucial that tecRacer has many years of experience in AWS projects. With this knowledge, tecRacer could build the architecture and design of the cloud in the best possible way. On this basis, our new smartphone app can optimally connect our users.*"

tecRACER
Cloud Enabling Your Business

CUSTOMER: 1000PS INTERNET GMBH

Project goals
- Creation of a social network for motorbike fans
- Implementation of the first cloud project
- Construction of the smartphone app "DoGet App"

Project duration
December 2021 to August 2022

Project performance tecRacer
- Design and development of the serverless backend architecture
- Graph database that allows weighting
- GraphQL API for the smartphone app

Tools used
- AWS Cloud Development Kit – TypeScript
- AWS Services
  - o Lambda
  - o Neptune
  - o Appsync
  - o DynamoDB
  - o SNS
  - o SQS
  - o S3
  - o API Gateway
  - o Location Service
  - o Cognito
- Content Management System Strapi

About tecRacer

tecRacer, headquartered in Hanover and with locations in Duisburg, Frankfurt, Hamburg, Mannheim, Munich, Vienna, Lucerne, Geneva and Lisbon, offers Amazon Web Services Consulting (AWS) & Training Services from a single source - seamlessly integrated, across the entire cloud lifecycle - from strategy to implementation to operation.

The strategy also remains the clear focus on Amazon Web Services. Here, according to an independent study by Crisp Research, tecRacer is probably the most competent and important partner in Germany. And the focus on AWS proves tecRacer right: As part of the AWS Partner Summit 2021, tecRacer received the „AWS Consulting Partner of the Year" award. The owner-managed company, which was awarded as a Top Employer for medium-sized companies, now employs more than 150 permanent staff, has trained more than 12,000 participants in AWS and has already successfully implemented more than 250 AWS Consulting projects.

For more information, visit www.tecracer.com. Or contact us at aws-sales@tecracer.com.

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