

# JavaScript in the Database Heaven or Hell

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# Facts & Figures

IT-Beratungsunternehmen  
Branchen übergreifend  
Hersteller neutral

Hauptsitz  
Ratingen

Niederlassung  
Frankfurt am Main

250 Beschäftigte



Zertifizierter  
Partner von  
Oracle und  
Microsoft

Inhabergeführt

28 Mio. Euro  
Umsatz

Gründung  
1994



Ausbildungsbetrieb  
Partner im dualen Studium

# About me

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**Moritz Klein**

Since November 2015 working as Senior Consultant @ MT AG

Before that 6 years as Data Warehouse Specialist at Ericsson  
Telekommunikation GmbH

APEX Developer since first public release in 2004 (HTMLDB 1.5)

Oracle Developer since 2001 (SQL, PL/SQL, OWB)

Organiser of Oracle APEX Meetups Frankfurt

# Agenda

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- Oracle Database Multilingual Engine
- PL/SQL vs. JavaScript
- Test-Driving MLE
- Conclusion

# Oracle Database Multilingual Extension

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- **Experimental** Feature for Oracle Database 12c
- Utilize „modern“ programming languages
- Support for JavaScript & TypeScript
- Support for other languages like Python planned

# PL/SQL vs. JavaScript

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## PL/SQL

- Type safe
- Used on the backend
- „The language“ for processing data in an Oracle Database
- Ready-built modules hard to find
  - Exceptions:
    - Logger
    - OOS-Utills
- Close to none relevance in education at the moment

## JavaScript

- Not type safe (or go TypeScript)
- Mostly used in the frontend
- Backend usage rising (NodeJS)
- Lots of ready to use modules available
- High focus in education today

# Test-Driving MLE

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- Easy Function
- Email-Validation
- DML-Operations
- Aggregation Function

Heaven or Hell?!



# Conclusion

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- Very interesting concept
- Unfortunately **experimental**
- No statement of direction
- Currently limited (e.g. no CLOB support)
- Great danger of misuse
- Might face resistance with long term Oracle Devs/DBAs
- But just start to think about all the possibilities

data . cloud . mobile



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