Welcome to The AMOS Demo Day!

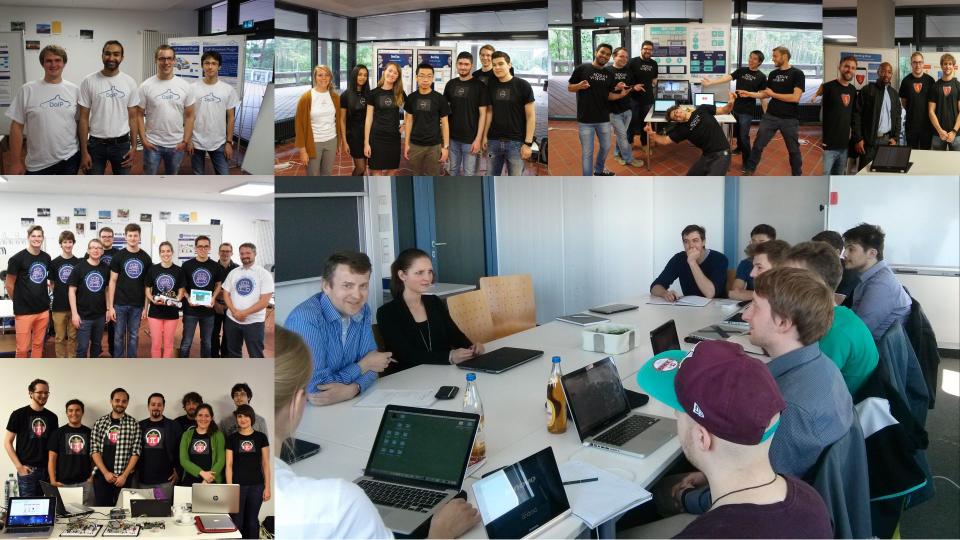
Dirk Riehle, Univ. Erlangen

AMOS C02

Licensed under CC BY 4.0 International

The Professorship of Open Source Software





Industry Partners

















C#NSILEON































































Participating Universities







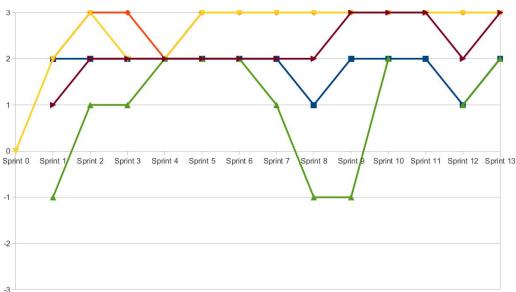
Distributed Scrum Teams



DF

Project Coaching and Support





Demo Day Schedule

Time	Duration	Responsible	Title	Room
10:15	10 min	Riehle	Introduction	Main room
10:25	10 min	Teams	One slide summary	Main room
10:35	20 min	Teams	Demo	Demo rooms
10:55	20 min	Teams	Demo	Demo rooms
11:15	20 min	Teams	Demo	Demo rooms
11:35	5 min	Riehle	Conclusions	Main room

This Semester's Projects

#	Project	Industry Partner
1	RTDIP Data Quality Checker	Shell
2	Backup Metadata Analyzer	SEP
3	Android Zero Instrumentation	e.solutions
4	Personalized Play	MUMBI
5	_	
6	_	
7	_	
8	-	





RTDIP Data Quality Checker

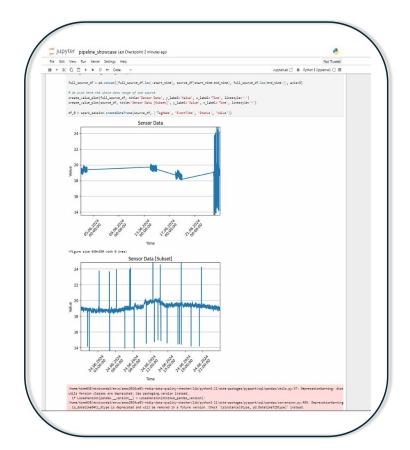




Motivation

To develop robust tools for detecting missing data, outliers, duplicates, and irregularities in real-time data streams, ensuring scalable solutions aligned with RTDIP guidelines.





Key Project Features

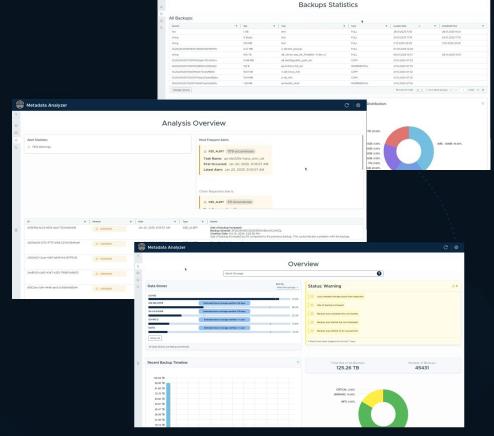


- Data Validation &
 Schema Enforcement
- Advanced Data Cleansing
- Missing Value Imputation
- Data Normalization
- Real-Time Anomaly Detection
- Predictive Data Analytics
- Data Monitoring & Integrity Checks



Metadata Analyzer

A powerful software solution designed to help companies monitor, analyze, and optimize their backup systems.



Metadata Analyzer

The Team: Lara Sulzbach, Oliver Schnell, Amelie Regl, Florian Oberndörfer, Christoph Klingenberg, Deniz Deli, Dirk Engelhard, Valentin Garbe, Moritz Rauen



ZERO INSTRUMENTATION OBSERVABILITY FOR ANDROID™

TRACING
EVENTS & SYSTEM-CALLS
ON ANDROID-DEVICES



DEBUGGING
SOFTWARE WITHOUT
DEDICATED DEBUG-BUILDS





Parents, let's rethink <u>play</u>.

Simple, everyday play.



Open the app and take a picture of the items you have at hand.

Transform your kitchen, living room, or laundry room into the next playroom with your children!



Let our AI agent tailor a play activity using those items. Children's access to play has declined by more than 50% in the last 50 years.



Support the mental & emotional development of your child through play.



Let's go see the demos!

Please join a breakout session [1]



FRIEDRICH-ALEXANDER UNIVERSITÄT ERLANGEN-NÜRNBERG FACULTY OF ENGINEERING

Prof. Dr. Dirk Riehle

Head of Open Source Research Group

Martensstr. 3, 91058 ERLANGEN, GERMANY Department of Computer Science Phone +49 9131/85-28390 Fax +49 9131/85-64055 dirk.riehle@fau.de http://osr.cs.fau.de

Thank you! Any questions?

<u>dirk.riehle@fau.de</u> – <u>https://oss.cs.fau.de</u>

<u>dirk@riehle.org</u> – <u>https://dirkriehle.com</u> – <u>@dirkriehle</u>

Legal Notices

License

Licensed under the <u>CC BY 4.0 International</u> license

Copyright

© Copyright 2009, 2024 Dirk Riehle, some rights reserved