

## Tobias Oberstein

Senior Architect  
Chief Executive Officer (CEO)

### Project Experience

**2020 -**  
**Team Lead / Expert Consultant Risk Management Core Banking**  
Fidelity Information Services GmbH (München)

**2019 - 2020**  
**Lead Architect Data-Markets-Plattform**  
Continental AG (München) und Crossbar.io (Erlangen)  
Data-Monetization / offene Dienst-Plattform („transaction plane“) für datengetriebene Mobilitätsdienste  
Market-place, Blockchain, Python, JavaScript, Java, Solidity

**2017 - 2019**  
**Lead Architect Microservice-Plattform**  
Continental AG (Babenhausen, Frankfurt) und Crossbar.io (Erlangen)  
Microservices Middleware Plattform für In-car, Car-to-cloud und Cloud-to-car („data plane“)  
Middleware, Microservices, Python, JavaScript

**2012 - 2017**  
**Lead Architect Core Data-Warehouse**  
Bundesverband Volks- und Raiffeisenbanken (Bonn) und parclT (Köln)  
Definition, Architecture, Design neues Core DWH (30TB, 1,400 Banken)  
Daten- und SQL Migration von MS SQL nach PostgreSQL  
Design und Entwicklung Microservice-basiertes ETL und Analyse Framework  
Implementierung fachlicher, Aufsichtsrelevanter Analysen (Credit Risk/Rating, Validierung, Statistik und Machine Learning)

**2004 - 2011**  
**Data-Warehouse Developer / ETL Architect**  
O2 und Telefonica Germany (München)  
Design, Development und Einführung eines In-house ETL Frameworks für das komplette Core-DWH  
Neuimplementierung und Datenmigration von 60 ETL Strecken (von Informatica Powercenter)  
Anforderungsanalyse, Design und Implementierung von ETLs und Reports, u.A. für Controlling mit Steuer-/Audit-/SoX-Relevanz

### Technologies:

- **Languages:** Python, JavaScript, C++, Java, SQL, PL/SQL, T-SQL, Solidity (Ethereum)
- **Databases:** Oracle, PostgreSQL, MS SQL Server, SAP IQ, SQLite, LMDB, Hadoop/HDFS, etcd, Memcached
- **Protocols:** WebSocket, WAMP, HTTP/REST, MQTT, OPC-UA, Modbus, S7, LTE, LTE-M, NB-IoT, Thread
- **Infrastructure:** AWS IaaS, AWS PaaS, Bare-metal/Co-location, Enterprise storage, Network and IoT security
- **DevOps, CI/CD:** Docker, Docker Compose, Fabric, Ansible, CloudFormation, GitHub, GitLab, Travis CI, Appveyor CI, PyTest, Tox, Coverage, PyPI, Maven, npm

### Methods:

- **Application architecture & design:** Microservices, OOA/OOD, Domain-driven, API-first, Web-native, HTML5, SPA, MVVM, Knockout.js, vue.js
- **Data-modeling:** logical/physical, relational, key-value, graph, SAP PowerDesigner, ODS/OWB, TOAD DataModeler
- **Data-integration:** data-warehouse, data-lake, batch & streaming, enterprise service bus, Oracle Warehouse Builder, Informatica Powercenter
- **Data-management:** ETL and ELT, migration, backup & recovery, ownership/stakeholder, data-level access control and security
- **Data-analysis:** Jupyter, Matplotlib, NumPy, Pandas, OpenCV, SciPy, TensorFlow, PyTorch, Apache Spark, Hadoop, R
- **Data-visualization:** Cognos, Microstrategy, Matplotlib, Pillow, OpenCV, D3, WebGL, Infographics, Heatmaps

### Processes:

- **Development:** Agile (Scrum, MVP), Customer-/Userstory driven, GitHub-workflow, Pair-programming, TDD
- **Open-source:** OSS licenses, OSS due diligence and commercial use, active OSS contributor, OSS projects owner (WAMP, Autobahn, Crossbar.io)
- **Communication:** requirements analysis, business-unit/-user problem analysis, corporate developer communities, developer experience (DX), corporate hackathons, employer branding

## Contact me

If you want to have a **private chat**:

Category	App	User ID	Link
Messaging (preferred)	<b>Keybase</b>	<b>oberstet</b>	<a href="https://keybase.io/oberstet">https://keybase.io/oberstet</a>
Messaging (preferred)	<b>Wire</b>	<b>oberstet</b>	<a href="https://wire.com">https://wire.com</a>
Messaging	<b>Signal</b>	<b>+49 17X 2XX5 2XX5</b>	<a href="https://signal.org">https://signal.org</a>

If you want to reach out via **email**:

Email (preferred)	Mailbox.org	<b>tobias.oberstein@crossbario.com</b>	<a href="https://mailbox.org">https://mailbox.org</a>
Email	<b>Gmail</b>	<b>tobias.oberstein@gmail.com</b>	<a href="https://mail.google.com">https://mail.google.com</a>

If you want to **phone me** or have a **conference call**:

Phone (preferred)	<b>Wire</b>	<b>oberstet</b>	<a href="https://wire.com">https://wire.com</a>
Phone	<b>Signal</b>	<b>+49 17X 2XX5 2XX5</b>	<a href="https://signal.org">https://signal.org</a>
Conferencing	<b>Jitsi</b>	<b>oberstet</b>	<a href="https://meet.crossbario.com">https://meet.crossbario.com</a>

If you want to reach out to our **developer community**:

Developer Forum	<b>Discourse</b>	<b>oberstet</b>	<a href="https://forum.crossbar.io">https://forum.crossbar.io</a>
Developer Chat	<b>Gitter</b>	<b>oberstet</b>	<a href="https://gitter.im/crossbario/public">https://gitter.im/crossbario/public</a>

If you want to read **my profile**:

Business Network	<b>LinkedIn</b>	<b>oberstet</b>	<a href="https://www.linkedin.com/in/oberstet">https://www.linkedin.com/in/oberstet</a>
Developer Network	<b>GitHub</b>	<b>oberstet</b>	<a href="https://github.com/oberstet">https://github.com/oberstet</a> <a href="https://github.com/wamp-proto">https://github.com/wamp-proto</a> <a href="https://github.com/crossbario">https://github.com/crossbario</a>
Developer Network	<b>Stack Overflow</b>	<b>oberstet</b>	<a href="https://stackoverflow.com/users/884770/oberstet">https://stackoverflow.com/users/884770/oberstet</a>

If you want to read my **blog posts** or **watch videos**:

Videos	<b>n.a.</b>	<b>oberstet</b>	<a href="https://crossbario.com/resources/videos/">https://crossbario.com/resources/videos/</a>
Presentations	<b>n.a.</b>	<b>oberstet</b>	<a href="https://crossbario.com/resources/presentations/">https://crossbario.com/resources/presentations/</a>
Blog	<b>n.a.</b>	<b>oberstet</b>	<a href="https://crossbario.com/blog/">https://crossbario.com/blog/</a>
Blog	<b>Medium</b>	<b>@tobias.oberstein</b>	<a href="https://medium.com/@tobias.oberstein">https://medium.com/@tobias.oberstein</a>