qaware.de

Technische Hochschule Rosenheim

QA|WARE
SOFTWARE ENGINEERING

Cloud Computing
Organizational matters

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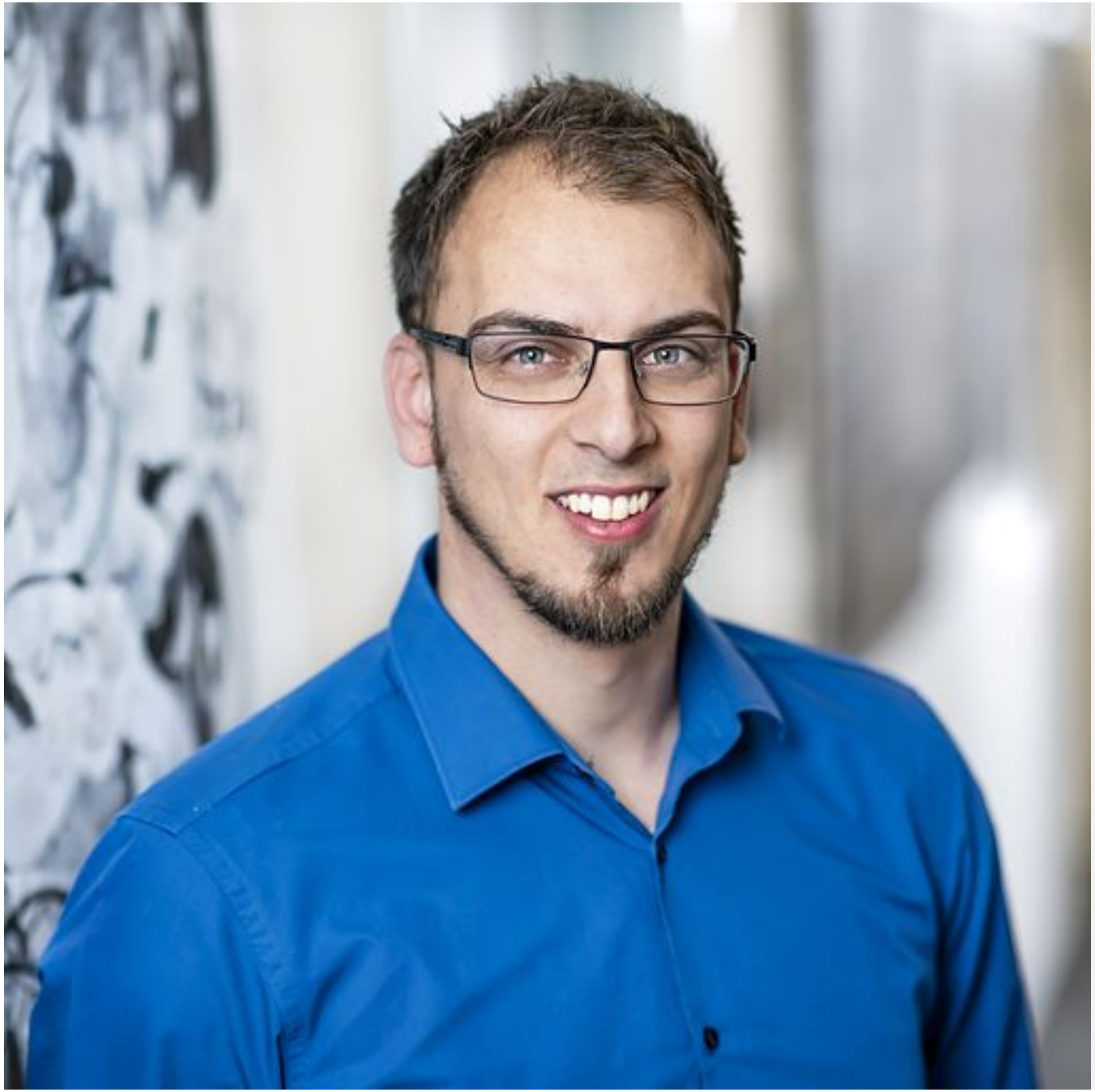

Stefan Schmöller

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Software Architect, QAware GmbH

- Six years @ QAware
- Studied Mathematics @ TU Munich
- Development of Enterprise Cloud Native Applications

Contact details

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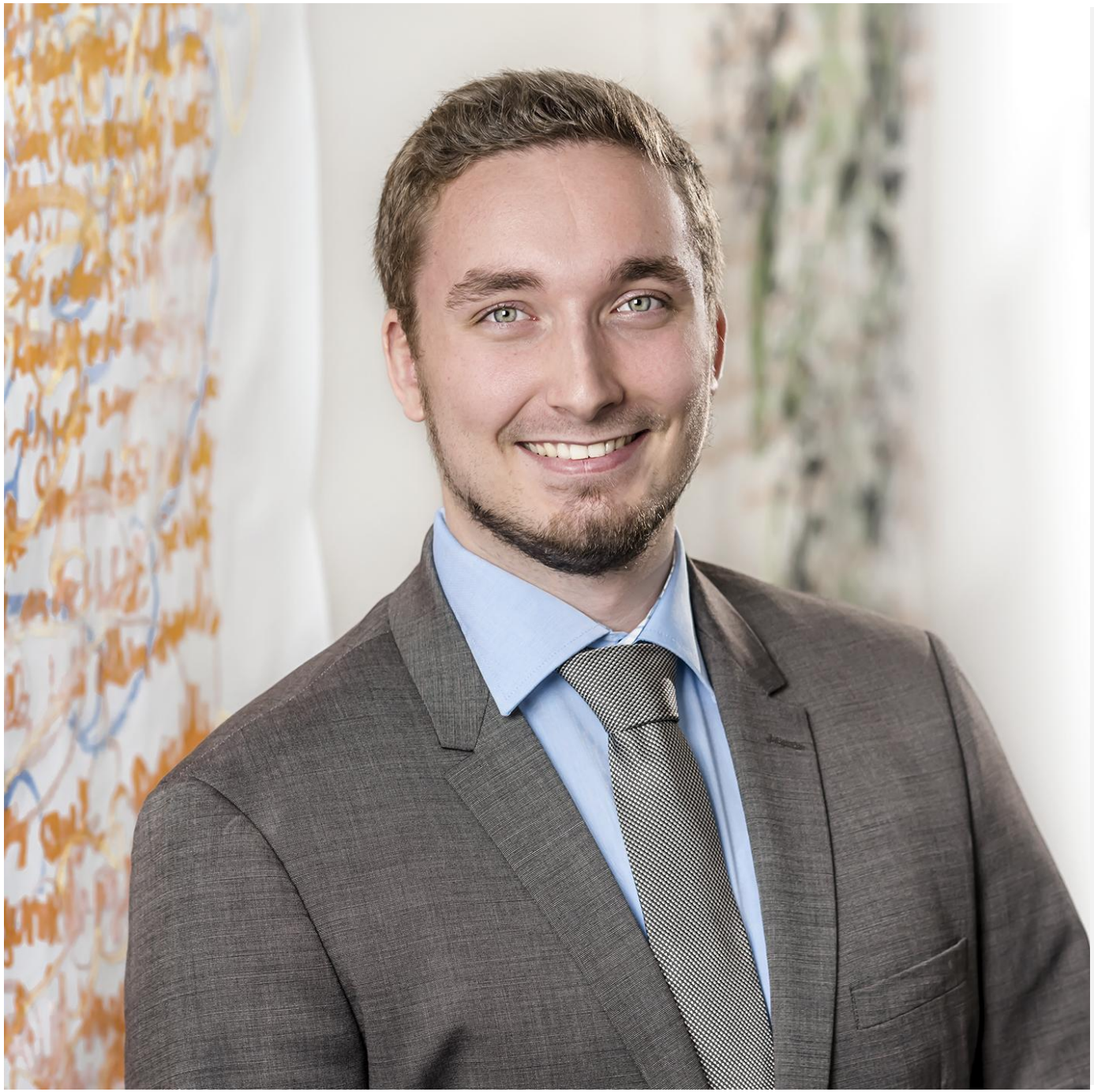

Lukas Buchner

Senior Software Engineer, QAware GmbH

- nine years @ QAware
- Studied Computer Science @ TH Rosenheim
- Development of Enterprise Cloud Native Applications and Platform Engineer

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Preliminary Agenda

Date	3. Hour	4. Hour	Lecturer
06.10.2025	Introduction	Exercise: Setup: IDE / JDK / Installation of Git	S. Schmöller & L. Buchner
13.10.2025	Virtualization	Exercise: Virtualization	L. Buchner
20.10.2025	Communication	Exercise: Communication	L. Buchner
27.10.2025	Provisioning	Exercise: Provisioning	S. Schmöller
03.11.2025	IaaS	Exercise: IaaS	L. Buchner
10.11.2025	Cloud Native Architecture	Exercise: Cloud Native Architecture	S. Schmöller
17.11.2025	Cluster Orchestration	Exercise: Cluster Orchestration	S. Schmöller
24.11.2025	Service Meshes	Exercise: Service Meshes	L. Buchner
01.12.2025	Serverless	Exercise: Serverless	S. Schmöller
08.12.2025	PaaS & Continuous Delivery	Exercise: PaaS & Continuous Delivery	L. Buchner
15.12.2025	Observability	Exercise: Observability	S. Schmöller
22.12.2025	Cloud Runtimes	Exercise: Cloud Runtimes	L. Buchner
29.12.2025	Winter Holidays		
05.01.2026	Winter Holidays		
12.01.2025	Summary		S. Schmöller & L. Buchner
19.01.2025	Exam		S. Schmöller & L. Buchner

Lecture und exercises

Lecture (Room: B0.07)

- The lecture is open source and the slides, exercise sheets and exercise code (templates and solutions) can be found on Github: https://github.com/qaware/cloud-computing-th-rosenheim
- For questions about the lecture: lukas.buchner@qaware.de

Exercises (Room: B0.07)

- The exercises can preferably be done on your own computer, provided that a good internet connection can be established.
- Prerequisite: **The software required for the exercises will be installed before the exercises**. The software requirements can be found here: https://github.com/qaware/cloud-computing-th-rosenheim

Exam

- The exam will take place in the last lecture hour on January 19, 2026.
- It is a written exam, lasts 90 minutes and no documents are allowed for it..

Cloud Native Night

Is this art or trash?
Why legacy systems are hidden gems and how to make them shine again for the next decades

Tobias Leicher

Your Legacy, Upgraded: AI-Powered Java Modernisation with Konveyor

Markus Zimmermann

meetup

13.10.2025 I München

hosted by
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