

# Aiko Klostermann

Tech Lead @ Apple

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## Summary

I've been leading development teams and technical interest groups with up to 130 members since 2018. With these I have designed and build high quality, maintainable, scalable, robust and fault-tolerant software in microservice/distributed system architectures for various organisations applying best practices like TDD, DDD, CI/CD, IaC, Pair Programming. Currently I lead two engineering teams at Apple. Additionally I share my ideas and learnings by giving (keynote) talks and workshops at international conferences and writing articles which have been published by multiple publications.

## Experience

### Apple Inc.

8/2021 - present **Tech Lead, Singapore.**

- Java, Mentoring
- Hiring, Architecting
- Roadmap planning
- Kubernetes
- Leading, managing, mentoring and growing two software development teams
- Team A: Sales finance application (SOX compliant) with high impact on Apple's global sales
- Re-architected and re-designed application, changed methodology from Waterfall to Agile
- Team B: Video sharing platform, Planning and executing geo expansion from 3 to 10 countries

### Grab Taxi

3/2021 - 8/2021 **Senior Software Engineer, Singapore.**

- Mentoring, Golang
- gRPC, AWS, Bash
- Designed and developed multiple services as service owner and managed direct report
- Building Testing Automation Framework and Platform for all Grab Engineers

### ThoughtWorks

5/2019 - 2/2021 **Senior Software Engineer, mostly Singapore.**

- Java, Python
- Typescript, Node.js
- AWS, Azure
- Docker, Kubernetes
- Coaching
- Technical lead of a team that successfully delivered challenging project at high value client
- Led platform-wide performance testing and optimization effort(scale: >10 billion db rows)
- Introduced client team to infrastructure as code(IaC)
- Onboarded multiple batches of new hires by giving lectures on topics like Clean Code design concepts like SOLID principles, Pair Programming, TDD, etc.
- Organised and facilitated a weekly infrastructure engineering study group

6/2017 - 4/2019 **Software Engineer, mostly Bangalore, India.**

- Java, Python
- Django, AWS
- Introduced the client to the concept of CI and importance of a comprehensive test coverage
- Led the Data/AI/ML enthusiasts group in ThoughtWorks India with > 130 members

6/2016 - 5/2017 **Graduate Software Engineer, Hamburg, Germany.**

- Java, Python, AWS
- Tensorflow
- Introduced client to neural networks & increased order prediction accuracy by 18% to 82%
- Owned cloud migration effort and managed to be the first team to go-live on cloud infrastructure

### University of Applied Sciences Hamburg

3/2014 - 8/2014 **Teaching Assistant for Programming II, Hamburg, Germany.**

Taught advanced Java/Programming concepts including Multithreading, Generics and Inner classes

## Additional Achievements

- (Keynote)Speaker at various international conferences
- Articles & Interviews published by DataQuest, FinTechNews, Thoughtworks Blog i.a.
- PROMOS Scholarship recipient for overall academic results

## Education

9/2012 - 5/2016 **University of Applied Sciences Hamburg, B.Sc. Computer Science.**

Thesis Project: Convolutional Neural Networks on Mobile Devices *Grade: 4.0/4.0*

8/2014 - 12/2014 **The Hong Kong University of Science and Technology, Semester Abroad.**

## Skills

- Languages Java, Python, Javascript & Typescript, Golang, Scala, C, C++, HTML, CSS, HCL
- Frameworks Spring{Boot}, Django, Flask, Node.js, React, ReactNative, Angular, TensorFlow
- DevOps/Infra Terraform, Cloudformation, Docker, Kubernetes, Linux/Unix Shells, Ansible, AWS, Azure
- Others PostgreSQL, MongoDB, REST, GraphQL, gRPC, Protobuf, Apache Kafka, distributed systems/microservice architecture, Jupyter Notebook, TDD, Performance optimization