

# Aiko Klostermann

## Senior Software Engineer

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in aikoklostermann

### Summary

I have worked in multiple microservice/distributed system architectures with several different technology stacks and have seen numerous different architectural patterns.

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

#### Grab

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

Golang, gRPC ○ Building Testing Automation Framework and Platform for all Grab Engineers

#### ThoughtWorks

○ Building high quality, maintainable, scalable, robust and fault-tolerant software for various clients applying best practices like TDD, DDD, CI/CD, IaC, Pair Programming

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

Java, Python, ○ Led platform-wide performance testing and optimization effort (scale: >10 billion db rows)

Typescript, ○ Took over the tech lead role of the team at the final stages of a project

Node.js, AWS, ○ Introduced client team to infrastructure as code (IaC)

Azure, Docker, ○ Onboarded multiple batches of new hires by giving lectures on topics like Clean Code design concepts like SOLID principles, Pair Programming, TDD, etc.

Kubernetes ○ Organised and facilitated a weekly infrastructure engineering study group

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

Java, Python, ○ Introduced the client to the concept of CI and importance of a comprehensive test coverage

Django, AWS, ○ Joined a project with nearing deadline due to my expertise in Python which led to us delivering ahead of time after all

Docker ○ Led the Data/AI/ML enthusiasts group in ThoughtWorks India with > 130 members

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

Java, Python, ○ Introduced client to neural networks & increased order prediction accuracy by 18% to 82%

AWS, Tensorflow ○ 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

○ Have had my articles published by DataQuest, FinTechNews, Thoughtworks.com 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, 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