

# Aiko Klostermann

Senior Software Engineer

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in [aikoklostermann](#)

## Summary

Having worked for a premium consultancy I was able to gather experiences from various projects, have worked with several different technology stacks which taught me how to pick up new technologies very quickly. I have worked in multiple microservice/distributed system architectures and have seen numerous different architectural patterns, have worked with multiple *flavours* of the agile SDLC and have seen what works and what doesn't.

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

### ThoughtWorks

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

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

- Java, Python, Typescript, Node.js, AWS, Azure, Docker, Kubernetes
  - Led platform-wide performance testing and optimization effort (scale: >10 billion db rows)
  - Took over the tech lead role of the team at the final stages of a project
  - 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, Docker
  - Introduced the client to the concept of CI and importance of a comprehensive test coverage
  - Joined a project with nearing deadline due to of my expertise in Python which led to us delivering ahead of time after all
  - 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
- 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, 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