

Aiko Klostermann

Tech Lead

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Summary

I have 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 **Senior Software Engineer, Singapore.**

- Java, Mentoring
- Hiring, Architecting
- Kubernetes
- Team A: Lead and grew engineering team to 7 direct reports
- Re-architected and re-designed globally used sales application, moved from Waterfall to Agile
- Team B: Software Architect, Technical lead & Application owner of video sharing platform

Grab Taxi

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

- Mentoring, Golang
- gRPC, AWS, Bash
- Being service owner of multiple services and managing 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
- 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
- My articles are published by DataQuest, FinTechNews, Thoughtworks Engineering 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, 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