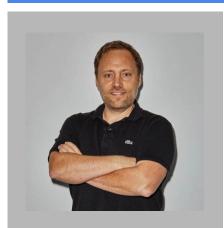
# Curriculum Vitae Tobias Bardino - Senior Software Engineer & Tech Lead



#### **Contact Information**

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GitHub:

github.com/buckel-dk/tobias

#### **Education**

MSc in Computer Science, 2003

Maersk Institute at University of Southern Denmark

Master thesis in Multi Agent Systems

# Languages

Native in Danish, Fluent in English, Conversational German, Swedish, and Norwegian

## Interests

Socialising with friends Skiing Off-road Adventure Bike (MC) Mountain Bike Music (festivals and concerts)

# Summary / Objective

Experienced IT professional with a strong background in software engineering, cloud infrastructure (AWS), and architecture. Proven ability to build and scale complex systems, as demonstrated by achievements such as building a bank from scratch, scaling and modernising the world's largest enzyme database, and re-inventing a water treatment optimisation system. Passionate about technology and continuous learning, with hands-on experience in hobby projects involving hardware (Raspberry Pi, ESP32 and electronics) and software (WebApps, Home Assistant, MicroPython and IoT). Seeking a challenging role where I can leverage my technical expertise and leadership skills to drive innovation and deliver impactful solutions.

### **Technical Skills**

## **Programming Languages**

Typescript (backend + frontend + infrastructure-as-code), Java, Python

#### **Cloud Platforms**

Fifteen years of comprehensive **AWS** experience, with deep proficiency in foundational services and a focus on Serverless & Fully Managed solutions, CI/CD, Observability, IaC (CDK), Cost Optimization, Operations, Security, and Audit Five years of expertise in **Google Workspace**, covering administration, operations, security, and audit functions

# **Tools & Technologies**

GitHub (PR, CI/CD, Actions, Codespaces), Docker, Kubernetes, Helm, OpenAPI, React/Tailwind/Shadcn, Unit/Integration/System testing, IDE: VSCode

#### Al: Generative

LMs, Workflows and AI Agents, Neural networks

#### **Operating Systems:**

Linux (+25 years of everything), Mac (Super User), Windows (User)

#### Databases:

SQL (Postgres/MySQL), NoSQL (DynamoDB)

# Search

Elastic Stack (ELK)

## **Architect:**

Skilled in software architecture design, often using the C4 model for comprehensive system visualization (especially in AWS architecture design)

## Security

AWS Security (ControlTower + IAM Identity Center + SecurityHub), Penetration testing arrangement and planning further actions, OAuth2 (multiple flows), MitID integration

## **Soft Skills**

Tech Lead, Team Lead, ScrumMaster, Kanban
Happily contributed to team growth by coaching junior colleagues
Driver for social events (walks, tech-deep-dive, techie-brekkie, etc.)
Morale booster with an innate ability to maintain team positivity and focus during high-pressure situations

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# **Work Experience**

# Senior Software Engineer and Tech Lead

kompasbank a/s Copenhagen, Denmark | 2019 – 2025 kompasbank.dk

Building a 100% cloud based bank from the ground up (the only bank in Denmark operating independently of a central banking platform).

Tech Lead of a fully cross-functional team of 7-10 people (infrastructure, backend, frontend, data, security, CI/CD)

Designing and building the necessary MVP code to enable the bank to go live in 2021

Scaling from 0 customers to thousands of deposit customers and hundreds of loan customers in just a few years (in multiple european countries)

## **Senior Software Engineer**

Novozymes (part of Novo Nordisk Foundation) Copenhagen, Denmark | 2016 – 2019 novozymes.com

Building new functionality on the world largest enzyme database system

Designing and implementing a POC, able to scale to serve customers all around the world utilizing service oriented architecture on Kubernetes

Scrum master of a cross functional team of 10

## **Software Engineer**

Krüger (part of Veolia) Copenhagen, Denmark | 2003 – 2016 kruger.dk

Rebuilding an outdated water treatment system by wrapping working logic into modules and developing a new frontend

Transforming from on-premise servers to a cloud-based SaaS solution

# **Projects**

Unifi aficionado

Build a Home Automation system (up and running for +5 years) with Raspberry Pi's and ESP32 Microcontrollers

Designing and 3D print solutions to everyday problems (car parts, kitchen tools, gadgets - onshape.com)

Build a Computer only using logic gates (Breadboard computer - <u>breadboard computer</u>)

K3s redundant home server that eventually will replace current Home Assistant setup utilizing AWS IoT