

# Curriculum Vitae

## Tobias Bardino - Senior Software Engineer & Tech Lead



### Contact Information

**Name:** Tobias Bardino

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**GitHub:**

[github.com/buckel-dk/tobias](https://github.com/buckel-dk/tobias)

### Education

MSc in Computer Science, 2003

Maersk Institute at University of Southern Denmark

Master's 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

#### AI: 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](https://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)

Technologies: Typescript (frontend, backend, infrastructure), AWS, OpenAPI, NoSQL, Events, GitHub

#### Senior Software Engineer

Novozymes (part of Novo Nordisk Foundation)

Copenhagen, Denmark | 2016 – 2019

[novozymes.com](https://novozymes.com)

Building new functionality on the world's 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

Technologies: Typescript (backend, frontend), Docker, Kubernetes, Helm, SQL (PostgreSQL), Jenkins, GitLab

#### Software Engineer

Krüger (part of Veolia)

Copenhagen, Denmark | 2003 – 2016

[kruger.dk](https://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

Technologies: Java, Spring, OSGi, Jenkins, Gerrit

### Personal projects

Built 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](https://onshape.com))

Built a Computer only using logic gates (Breadboard computer - [breadboard computer](https://breadboardcomputer.com))

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

Unifi aficionado

WebApps for social event