

# Curriculum Vitae

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## Relevant Work Experience & accomplishments

NOTE  Obtained Logical / Programming skill  
 Obtained Soft Skill

### 2021 - Present

#### Full time Developer at Kamstrup

Building software for physical water & heat meters, performing automatic readings presented to end users in a system called READY based on WPF and the .NET framework.

#### Accomplishments

-  Improved and developed on legacy database connections, UI and business related code in WPF for a faster user experience
-  Benchmarked an already in production piece of code in order to verify scalability issues
-  Introduced Kafka to both the current software solution and the other members of the team to improve the current technology stack
-  Built and verified a POC for a future scalable solution for data retrieval using a tree based structure
-  Added parallel code extraction paths for a new software service depending on data in a legacy workflow for future software mirgation paths
-  Started producing uml based diagrams in order to standardize parts of code documentation
-  Improved internal documentation for new developers for a better developer experience
-  Introduced a weekly Tea(m)-time. A discussion forum where the team shares software related thoughts for improving team collaboration
-  Mentoring software students working as student workers - reviewing & discussing solutions
-  Acted as superuser for a gitlab migration path
-  Self improvement on technical & user related presentations

### 2019 - 2021

#### Full time Developer at the Center For Cyber Security (CFCS)

A broad variety of demanding programming tasks where end users are also skilled developers. The job is subject to a Non Disclosure Agreement & confidentiality, which permits me from describing usecases and technology choices in detail.

#### Accomplishments

-  designing, implementing and testing new micro-services
-  Evolve and maintain legacy systems
-  Improving speed and throughput of data analytical solutions with a functional programming

perspective

-  Introducing new domain based algorithms for analytical solutions
-  Self improvement on time estimation
-  Self improvement on code style, code reviews & code documentation

## 2018 - 2019

### Full time Developer in Innsbruck At BestSolution

Working on legacy code-base written by a tertiary company.

#### Accomplishments

-  Added new features to legacy systems UI
-  Reworked parts of slow database interaction
-  Built a simple telemetry system as a complete software solution for flagging potentially down internally used servers
-  Automated processes of document reporting software
-  Improved collaboration skills due to language difference

## 2015 - 2018

### Student Developer at the Danish Defence

Various programming tasks for small individual internal tools & legacy code refactoring. The job is subject to a Non Disclosure Agreement

#### Accomplishments

-  Introduced new usable graph related software for end-users
-  Improved software teams physical environment by discussing work environment with team-lead

## 2014 - 2016

### Teaching Assistant at the University of Copenhagen (DIKU)

Teaching 1st & 2nd Year students at DIKU about usability design, through practical lessons, and written assignments.

#### Accomplishments

-  Defending students' work when in disagreement with the course professor improving course material
-  Improved teaching skills

# Relevant Education

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## Formal education

**2016 - 2018** Masters Degree in Computer Science at DIKU <sup>[2]</sup>

**2013 - 2016** Bachelors Degree in Computer Science at DIKU <sup>[1]</sup>

## Courses

**2023** Certified SAFe 5 Practitioner

**2023** Internal course at Kamstrup in advanced Microservices & Domain Driven design features

**2022** Internal course at Kamstrup in advanced features of C - focusing on newer language features

**2021** Internal course at Kamstrup in IT-security

**2019** Udemy course in Flutter

**2019** 3 day intro-course in Angular JS at IT-Universitet (ITU)

**2019** Internal course at Danish Defence

**2018 - 2019** Udemy course in Angular JS

**2017** Udemy course in NodeJs

# Software technologies and Framework Experience

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## Programming Language Experience

**NOTE**

5 → Expert  
1 → Beginner

### Professional Development

C# (5)  
Java (4)  
Bash (4)  
Python (4)  
Typescript & Javascript (4)

### Hobby Programming & Studies

Matlab (3)  
F# (3)  
C++ (3)  
R (2)  
Rust (2)

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**NOTE**

Technologies prior to the last 4 years have been excluded as I expect them to be re-learned.

## Databases

MongoDB                      Postgres                      Neo4j                      MSSQL

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## Build Systems

Jenkins                      Gitlab Runner                      TeamCity                      Virtual Box  
Vagrant                      MS Build                      Docker

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## Cloud

Kubernetes                      Azure

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## Message brokers

Apache Kafka                      RabbitMQ                      JMS

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## Telemetry & Monitoring

Prometheus                      Grafana                      Monit                      Nagios

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### Data & Markup:

HTML	CSS	JSON	Yaml
AsciiDoc	Markdown	LaTeX	
PlantUml	Plazo	Apache Avro	

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### Development Environment & Daily Schedule:

Git	GitLab	Intelij	Jira
Visual Studio (+ Code)	Slack	Bitbucket	Vim
Microsoft Office Suite	Microsoft Outlook		

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### Various Known Frameworks & Programs

#### *Often Used*

.NET	Microsoft IIS	WPF & Caliburn Micro	Spring & SpringBoot
Apache Spark	FastApi (OpenApi)	AngularJS (>v2)	The ELK Stack
Linux & Windows server utility tools			

#### *Less used*

D3	ReactJS	VueJS	JQuery
OpenCV	Tensorflow	Numpy	Pandas
IRreport	Swagger	Sealed Secrets	

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## Spoken Language

### NOTE

5 → Mothertongue  
1 → One week of Duolingo

	Oral	Written
Danish	5	5
English	4	4
German	2	3

## Who am I

Born in 1993 in Denmark. Attended Ollerup, a gymnastics folk-highschool near Svendborg after Highschool. Started studying 'Datalogi' or 'Computer Science' in Copenhagen at DIKU in 2013, finishing my education with a Masters degree in 2018. Moved to Innsbruck for half a year, working full time after studies. Currently living and working near Horsens with my wife, daughter & dog.

Gymnastics, camping in nature, hiking & travelling & Watching oldschool action movies is part of my sparetime.

Programming tasks at 'HackerRank' or 'Project Euler' - the latter being mathematically intriguing keeps me motivated. Likewise staying educationally updated and entertained is important for me. Online courses via Brilliant, Udemy or Coursera is used.



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<sup>[1]</sup> <http://aslak.nu/wp-content/uploads/2021/02/Bachelor.pdf>

<sup>[2]</sup> <http://aslak.nu/wp-content/uploads/2021/02/Master.pdf>