David Carlos Zachariae

Full Stack Developer & AI Engineer

Frontend | Backend | AI / ML | Cloud | DevOps | Scrum

david.zachariae@gmail.com • Brabrand, Aarhus, Denmark

PROFILE

Hello, I'm David, a Full Stack Developer and AI Engineer with over 8 years of experience building scalable applications and AI solutions. I specialize in developing robust backend systems with Java and C#, creating responsive frontend applications with Angular and NextJS, and implementing AI solutions using Python. My expertise in Large Language Models (LLMs) and Retrieval-Augmented Generation (RAG) systems has led me to share my knowledge through technical talks at industry conferences.

WORK EXPERIENCE

- **Software Engineer** — 2025-present
  Lunar
  In 2025 I joined Lunar as a software engineer, working on the Lunar Banking App. Work at Lunar involves building and maintaining microservices in Golang, working with Event Sourcing, GraphQL, gRPC, and more.

- **Lead Developer, Scrum Master & Lead AI Developer** — 2023-2025
  Trifork A/S
  In 2023 my role was expanded to include working as Lead Developer and Scrum Master on multiple projects. This has also included multiple AI projects which has involved building production ready GenAI applications.

- **Full Stack Developer** — 2019-2023
  Trifork A/S
  From 2019, I worked at Trifork A/S as a software developer, which is referred to as Software Pilot. My work there has involved all facets of development: Backend development with Java (Microservices, REST, Quarkus, etc.), Frontend development in Angular, DevOps (Jenkins, Openshift, Bash scripting).The projects I've worked on have also made me very familiar with Scrum and the benefits of planning and refining features in order to achieve better end products.

- **Student Developer** — 2016-2019
  Uniwise ApS
  My first job as a student programmer was at Uniwise as a frontend developer, working on the WiseFlow platform for digital education.In this job i primarily worked with: AngularJS, React, JQuery

- **2nd level support** — 2015-2016
  Uniwise ApS
  During the second year of my studies, I worked as supporter for 2nd level customers on the WiseFlow platform.

- **Interviewer** — 2012-2015
  Rambøll Management
  During my sabatical as well as the first years of study, I worked as an interviewer conducting interviews over the phone.

- **Dishwasher** — 2011-2012
  Restaurant Casablanca
  My first job was as a dishwasher at Casablanca in Aarhus.

EDUCATION

- **Master's Degree, Computer Science** 2017-2019
  Aarhus University
  In 2019 I completed my Master's degree in Computer Science at Aarhus University. I specialized in ML/NLP and Functional Programming. My thesis concerned the use of Recursive Neural Networks for complex semantic detection in Emails.

- **Exchange Semester** 2018-2019
  Radboud University, Nijmegen
  For my studies i took an exchange semester at Radboud University, Nijmegen in the Netherlands. The focus was on ML with courses like Bayesian Networks, Information Retrieval and Statistical ML

- **Bachelor's Degree, Computer Science** 2014-2017
  Aarhus University
  In 2017 i completed my bachelors degree in Computer Science at Aarhus University.

- **Almen Studentereksamen STX (Music, English, Psychology)** 2009-2012
  Aarhus Katedralskole
  In my younger years I played a lot of music, which was reflected in my choice of education at Aarhus Katedralskole STX.

SKILLS

Languages

Typescript	8 yrs
Java	5 yrs
Golang	1 yrs
Python	5 yrs
C#	2 yrs

Frameworks & Tools

Angular	8 yrs
NextJS	3 yrs
Quarkus	3 yrs
FastAPI	
LlamaIndex	
LangChain	
Docker/Kubernetes	

Other

Scrum Master · Project Leading · Micro Service Architecture · Event Sourcing · Retrieval Augmented Generation (RAG) · AI-Assisted Development · Clean Code Principles · GCP · Azure Cloud

SPOKEN LANGUAGES

Danish (Native) English (Fluent) French (Basic)

THESIS

Recursive Neural Networks for Sensitive Information Detection in Emails

Master's Thesis · Aarhus University · 2019

Compared five recursive neural network architectures for detecting sensitive information in emails. An LSTM-based model with a context tracker achieved the best balance of accuracy and training time on a large-scale dataset.