

Profile: **Software developer with a natural science education background**

Name: Jacob Hamfeldt Kold

IT work experience: Since 2016

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Education: 2010 - 2015 Master degree in Neuroscience and Neuroimaging from Aarhus University and a bachelor degree in biophysics from University Of Copenhagen

Profile text: I am mid-level to senior .NET/C# backend developer with 7 years of work experience and with competences and work experience with regards to development of software systems on the .NET platform. I also have work experience with other IT technologies like for example azure DevOps and GitHub as well. I have about 3 years of work experience with deploying code to the cloud in Azure DevOps, doing code reviews in Azure DevOps, working with pipelines in Azure DevOps and working with GIT and GIT-branches in azure DevOps. The other 3 years I worked in another cloud based system.

I have 6 years of work experience of developing Alrow media's IT-systems and from that I have work experience with both old .NET programming frameworks like for example webforms but also with some of the most modern frameworks in .NET like for example entity framework. I have written code for an Entity Framework based API project for about 3 years.

Apart from maintenance of existing IT systems I have acquired experience in developing big IT projects from scratch in a team as well as developing smaller IT projects on my own. So, I can work independently as well as being a team player. Among other things I have been a part of expanding into a new country and rebuilding the entire website of a company of about 200 employees from scratch. I have also been a part of a growth journey, where my company grew with over 10% a year for 6 years.

I have worked with Github and Microsoft Azure for many years.

I have developed IT-systems in corporation with non-technical people coming from multiple types of jobs and departments. I am used to write software that solves real life problems.

I have work experience in front-end languages like HTML, CSS and JavaScript as well as in Bootstrap.

I have about half a year of experience with writing unit tests in C#/.Net.

During my education I wrote code in Matlab used for cleaning data, analyzing data and visualizing data. Sometimes coding was also necessary for setting up an experiment and collecting good data during an experiment. Therefore, I had programming competences

when I graduated although not in web development. I have acquired that later.

Finally, I have many years of experience with working with project management systems like Linear and Pivotal.

Project experience:

Period:	2020/09 - 2023/09
Customer:	Alrow Media A/S . (Altinget.dk)
Project description:	<p>I was responsible for or did the following work:</p> <ul style="list-style-type: none">• Write API endpoints based on entity framework.• Rewrite the code to help administering Network groups, Courses and Conferences to be based on entity framework as well as being based on a single data structure that could also handle Niche subscriptions.• Write Unit Tests for Api endpoints and taking part in developing a test environment in .net.• Change sending out email from being based on Sendgrid to being based on Peytmail and expand user functionality with regards to sending out emails to subscribers.• Automating GDPR compliance with self-executing functions.• Modernizing system set up for self-executing functions.• Helping expand the internal CMS IT system to make it possible for the company to expand into Norway and helped with building the Norwegian version of the company's website.• Being part of designing and building a new user registration flow where free trial subscription was added in order to increase subscription sales.• The work was being deployed with azure DevOps and tested with pipelines in Azure DevOps.
Applied technologies:	Azure DevOps, .NET Core, C#, ASP.NET Entity Framework, Microsoft Teams, PeytzMail, Microsoft SQL Server, JavaScript, jQuery, HTML5, CSS3, Linear, Microsoft Test
Role in project:	Back-end developer

Period:	2017/08 - 2020/09
Customer:	Alrow Media A/S . (Altinget.dk)
Projectdescription:	<p>.NET/C# developer and system designer for web solutions in C#. Intranet and public webpage.</p> <p>Among other things I developed webform pages for writing, saving and editing articles as well as pages for typing in many other types of data data like for example data about people.</p> <p>Developing web pages for improving business intelligence internally at the</p>

	<p>company.</p> <p>I was responsible for or did the following work:</p> <ul style="list-style-type: none"> • Development of public webpage as well as intranet pages based on ASP.NET Webforms, JavaScript, jQuery, HTML5, CSS and Bootstrap. • Developing and designing of a database in Microsoft SQL Server. • Move the company from administering Network groups, Courses and Conferences in Excell to administering this on intranet webpages written in .Net. • Improving design, creation flow and editing of articles and other things on the public webpage. • Improve and expand Business intelligence functionality. • Write C# functions for administering and automating sending of emails. • Import data from other separate IT systems so all data could be worked with in the same system. • Integrate a new email system into the company's internal CMS system based on .NET.
Applied technologies:	.NET, C#, ASP.NET webforms, Microsoft Teams, Sendgrid, Microsoft SQL Server, JavaScript, jQuery, HTML5, CSS3, pivotal, og Bootstrap.
Role in project:	Back-end developer

Period:	2016/01 - 2017/01
Customer:	University College Sjælland
Project description:	<p>Internship:</p> <p>I was responsible for or did the following work:</p> <ul style="list-style-type: none"> • Working on developing an app or webpage for administrating employee data with the goal of improving planning of employee scheduling. • Google web pages was used to share data. • Developing backend integrations with Google Sheet og Google Apps script
Anvendte teknologier:	Google Spreadsheet, Google Apps Script, Google Sites, Google forms
Rolle i projektet:	Systemudvikler, Systemdesign, Systemarkitekt

Period:	2016/04 - 2016/09
Customer:	3D Printhuset
Project description:	<p>Internship at 3D Printhuset. Developing a 3D Scanner</p> <p>I was responsible for or did the following work:</p> <ul style="list-style-type: none"> • Testing the possibility of building a 3D scanner from Rasberry Pi cameras.
Anvendte teknologier:	Raspberry Pi, Python, Linux Shell, Mesh Lab
Rolle i projektet:	Software og hardwareudvikler

Skills

Skill levels: Expert, Very experienced, experienced, Good understanding, Some understanding.

Category	Skill	Level	Last applied	Years applied
IT				
	Agile Software Development	Experienced	2023	3
	Agile Methods	Experienced	2023	3
	Automation	Good understanding	2023	2
	Automated tests	Some understanding	2023	1
	Backend	Experienced	2023	6
	Cloud	Very experienced	2023	6
	Databasesdesign	Very experienced	2023	6
	DevOps	Experienced	2023	3
	Frontend	Some understanding	2020	3
	Full Stack	Expert	2020	3
	Microservices	Experienced	2023	3
	Linear	Experienced	2020	3
	System architecture	Very experienced	2023	3
	Systemdesign	Expert	2023	3
	System development	Expert	2023	3
	Web Services	Experienced	2023	6
	Web development	Very experienced	2023	6
Business Sector experience				
	Media	Very experienced	2023	6
Programming Languages				
	C#	Expert	2023	6
	CSS3	Very experienced	2023	6
	HTML	Very experienced	2023	6
	HTML5	Very experienced	2023	6
	JavaScript	Very experienced	2023	6
	SQL	Very experienced	2023	6
Technologies				
	ASP.NET	Expert	2023	6
	ASP.NET 5/MVC 6	Some understanding	2019	1
	ASP.NET Core Web API and Entity Framework	Experienced	2023	3
	ASP.NET Webforms	Experienced	2020	3
	Git	Good understanding	2023	3
	LINQ	Very experienced	2023	3

	Microsoft Azure Web Apps	Some understanding	2023	3
	REST	Experienced	2023	3
	REST API	Experienced	2023	3
	Stored Procedures (STP)	Some understanding	2022	1
Platforms				
	.NET	Experienced	2023	6
	Microsoft Azure	Some understanding	2023	3
Databases				
	Microsoft SQL Server	Very experienced	2023	6
Developer tools				
	Entity Framework (EF)	Very experienced	2023	3
	jQuery	Some understanding	2023	6
	Microsoft Visual Studio	Expert	2023	6
	Microsoft Visual Studio Team System (VSTS)	Some understanding	2023	6
Methods and practises				
	Continuous Delivery (CD)	Good understanding	2023	2
	Continuous Integration (CI)	Good understanding	2023	2
	Dependency Injection (DI)	Some understanding	2023	1
	Unit Test	Good understanding	2023	1

Sprog:

Language	Speaking level	Writing level
Danish	Mothers tongue	Mothers tongue
English	Fluent	Fluent
German	Can understand a little	Very low

Courses and certificates:

Year	Timespan	Name
2016	1 måned	CS50: Introduction to computer science. https://www.edx.org/learn/computer-programming/harvard-university-introduction-computer-science-harvardx-cs50x
2017-2023		Various .net courses on https://app.pluralsight.com/library/free



Jacob Hamfeldt Kold

har bestået alle krav til

Microsoft Certified: Azure Fundamentals

Merit-id: DD9CEC29E03FE0CC

Certificeringsnummer: CCC145-38L370

Optjent på: 16. februar 2024



Satya Narayana Nadella

✓ Verificerbar online

VERIFIED

CERTIFICATE of ACHIEVEMENT

HarvardX

David J. Malan

Gordon McKay Professor
of the Practice of Computer Science

Harvard University

This is to certify that

Jacob Hamfeldt Kold

successfully completed and received a passing grade in

CS50: Introduction to Computer Science

a course of study offered by HarvardX, an online learning initiative of Harvard University through edX.



VERIFIED CERTIFICATE
Issued December 7, 2016

VALID CERTIFICATE ID

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