

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

Personal summary: As a person, I am the introverted type who can and also likes to collaborate but at the same time likes to go in-depth with independent development tasks. I am hardworking and conscientious as well as humorous. In my spare time I like to exercise, sing and play the guitar. I chose to resign from my position at Altinget. I needed a break from the IT job, after an intense period of carer's leave, when my father fell ill and died at home. After a period of various replacement jobs as a driver, courier and warehouse worker, I would like to start again within the IT world, where I thrive and belong.

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:

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| 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 Peytzmail 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 |

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| 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 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 |

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| 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 |

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| Period: | 2016/04 - 2016/09 |
| Customer: | 3D Printhuset |
| Project description: | Internship at 3D Printhuset. Developing a 3D Scanner I was responsible for or did the following work: <ul style="list-style-type: none"> Testing the possibility of building a 3D scanner from Raspberry 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 |

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|------------------------------|--|--------------------|------|---|
| | 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

✓ Verificerbar online



Satya Narayana Nadella

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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