
Jakob Kjeldsteen

Software Developer

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Passionate software developer focusing on backend development with strong skills in C#. With experience from projects in health technology and IoT, I have developed the ability to create effective, scalable solutions that meet user needs. I have a solid background in C# and always strive to optimize user experiences through functional improvements and innovative solutions. My goal is to contribute to meaningful projects that make a difference..

SKILLS

Golang | C# | Java | HTML | CSS | JavaScript | PHP | Typescript | React.js | Vue.js | Stripe | SQL | .NET | Agile | Unified Process | Git Unity | Visual Studio | Visual Studio Code | Eclipse

PROFESSIONAL EXPERIENCE

Black Capital Technology, Aalborg - *Backend Developer (Intern)*

July 1st 2024 - July 31st 2024

As an intern at Black Capital Technology, I was part of the backend development team for the "Heads" project. My key contributions included:

- **Backend-development:** Developed and maintained backend services that ensured efficient server-side operations.
- **Stripe Integration:** Successfully implemented Stripe as a payment method for secure transactions..
- **Feature Integration:** Designed a recommendation system for tailored specialist and treatment suggestions and a notification system for user engagement.
- **Bug Fixing:** Performed troubleshooting and resolved issues to ensure application stability.

This experience enhanced my skills in backend development and payment gateway integration.

Reference: **Malthe Reipurth, mr@blackcapitaltechnology.com, (+45) 52 25 50 55**

NordicScreen, Randers – *Fullstack Developer (Intern)*

August 2023 - October 2023

As part of my education as a Computer Scientist, I completed a 10-week internship at NordicScreen in Randers, where I gained valuable experience as a full-stack developer and had the opportunity to test my skills in the real development world.

During my internship, I worked on diverse tasks and programming languages, including JavaScript, TypeScript, React, and PHP. Additionally, I contributed to the development of an app designed for Samsung TV based on Tizen 6.5. This experience provided me with insights into a wide range of technologies and hands-on experience solving complex tasks in full-stack development.

JP|Politiken, Aarhus

October 2023 - January 2024

In my final semester of the Computer Science program, I collaborated with JP|Politiken to develop a Proof of Concept for an internally owned Consent Management Platform. The platform was designed to scan and identify cookies across different domains and store this information in a relational SQL database. Additionally, an administrative dashboard was developed to monitor and manage cookies across domains, along with an informative popup for visitors on JP's domains. In this project, I worked on backend development in C# and frontend development in React with TypeScript. Ultimately, the project provided JP|Politiken with solid insights into the value of an internal Consent Management Platform.

Xtellio, Aalborg

February 2023 - May 2023

In the fourth semester of the Computer Science program, I collaborated with Xtellio in Aalborg to develop a dashboard for handling and visualizing data from a large pool of IoT devices. In close dialogue with Xtellio, we selected relevant key figures, which were visualized in various graphs to provide better insights into the device pool. The frontend was developed in Vue.js, and we retrieved data from Xtellio's backend via a JavaScript API, modifying the data before presenting it in the frontend.

EDUCATION

UCN, Aalborg – *Computer Science (AP)*

September 2021 - January 2024

I completed my education as a Computer Science (AP) at UCN in Aalborg in January 2024. The program culminated in a final project done in collaboration with JP|Politiken, which received the top grade of 12 (A).

Projects during Education:

Booking System for Internet Café

In the third semester of the Computer Science program, I developed a booking system for an internet café with my exam group. The system could handle reservations based on calendar and time slots, allowing users to add orders for drinks and snacks. The backend was developed in C# and .NET with an SQL database, while the frontend was designed in WinForms.

Gift Solution System for Kop & Kande

In the second semester of my Computer Science education, I developed a demo version of a gift solution system for the local store Kop & Kande in collaboration with my exam group. The system could manage inventory and function as a gift solution for the store's customers. The backend was developed in Java with a relational SQL database, while the frontend was created using WindowBuilder in Eclipse.

HTX, Viborg – *Game Design*

August 2017 - June 2020

In 2017, I began an HTX program in "Game Design" in Viborg. Here, I found a strong interest in subjects like programming and communication and IT. Through the programming course, I became familiar with Arduino C++, as well as C# and the programming language Processing.

OTHER EXPERIENCE/FREE TIME PROJECTS

Game Development / Unity C# (<https://jkjeldsteen.itch.io> and <https://jkjeldsteen.com/devlogs>)

In my spare time, I develop games in Unity, both in 2D and 3D, using C# as the programming language. I value Unity as a development tool because it offers libraries that allow for faster implementation of functionalities without having to build everything from scratch. This enables me to challenge myself in the design and architecture of the game, as well as in how the different components interact. I take great joy in creating computer games, as it allows me to see my code take shape as visual experiences on the screen.

VOLUNTEER WORK

Aalestrup IF / Esportstræner

September 2018 - June 2020 (Aalestrup)

From the fall of 2018 to summer 2020, I served as a volunteer esports coach at Aalestrup IF. The esports division at Aalestrup IF emerged primarily under my leadership and commitment, with help from various sponsors and other interested parties.

Aalestrup IF / Football and Basketball Coach

I have previously been involved as a volunteer assistant coach in youth football at Aalestrup IF, as well as a basketball coach for younger children (7-10 years old).