

# David Bjerregaard Madsen

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## About me

Extroverted and ambitious software developer with an academic engineering background and broad spectrum of interests. I have 3,5+ years of professional experience developing solutions for a variety of clients, mainly in the Microsoft ecosystem.

Both during and outside of my professional career I have attained extensive experience working in and leading teams through numerous projects. Almost-daily contact with clients on every project I've been involved with has given me a good understanding of problem solving through understanding people. I value professionalism and set myself to a high standard in this regard.

I'm a curious soul and eager to attain new knowledge and improve my problem solving skills. In short, I am a highly motivated and driven developer who is eager to learn and meet new people.

## Experience

February 2024 – to date

### **Uptime Consulting**, Senior Consultant

Backend software engineer with expertise in .NET, cloud and distributed systems. Currently deployed at a fintech company delivering solutions to insurance and banking customers.

- Current project: Key part of the developer team at Lumera AS, developing a microservices-based .NET-application to manage fund trading, life insurance and pensions etc. for B2B banking customers.
- Responsible for core solution development and framework design where I have played a part in developing several microservices from scratch and a custom event-based messaging system for communication between microservices (Azure Service Bus)
- Responsible for code quality and review across the developer team

September 2021 – January 2024

### **Netcompany Norway**, Consultant

Full-stack software developer consultant with main focus on .NET, EF Core, React, MS SQL and Microsoft Azure, with occasional dabbling into Python.

- Integral part of the developer team for a billing solution for a major toll service provider for the majority of the stay at Netcompany
- Responsible for backend development with occasional frontend tasks when required (Azure Functions, Azure Webapps, MS SQL, .NET Core, Entity)
- Devops tasks including CI/CD pipelines and deployment to development environments (Azure DevOps, Bicep)
- Responsible for coordinating and supporting both customer and internal test team on monthly releases

January 2022 – to date

### **Flux Collective AS**, Co-owner & Technical Lead

Co-owner of a small Oslo-based electronic record label where I am involved in administrative and technical operations in the company.

- Develop and maintain the company website ([flux-collective.com](https://flux-collective.com)) and managing other business solutions
- Oversee financial planning, budgeting, and administrative operations

October 2020 – September 2021

### **Data Respons R&D Services, Development Engineer**

Software developer/engineering consultant with focus on full-stack development and cloud solutions.

- Responsible for the web/cloud solution for our in-house GPS Tracker project (October-March) (Python/flask, websockets, React, GCP)
- Deployed as software engineer at a leading company in the automotive industry, assisting the engineering team with product validation, documentation and testing

August 2016 – October 2020

### **SplashTrend Licensing, Director of Digital Media - Freelance**

Side project with study colleagues involving online media licensing, content production and promotion mainly on YouTube.

- Responsible for content acquisition and communication with social media users
- Video editing, branding and and visual content creation for our YouTube channels
- Developed proof-of-concept automated content recognition software to identify assets in online videos (Python)

## **Education**

August 2018 – June 2020

### **Norwegian Uni. of Science and Technology, Industrial Cybernetics**

- Master's degree in linear system design with electives in software development
- Master's thesis: Procedural City Generation in Unity Engine - explored existing and new methods of procedurally generating cities using Unity Engine as the development platform (C#/Unity)

August 2014 – June 2017

### **Oslo & Akershus University College, Mechanical Engineering**

- Bachelor's degree in mechanical engineering with electives in mathematics, computational fluid dynamics and robotics

## **Skills**

Strong backend development skills, mainly experienced in the Microsoft ecosystem which I'm currently working with. In Microsoft Azure, I'm experienced with a wide variety of key cloud services including Azure Functions, App Service, Service Bus, Azure SQL, Cosmos DB etc. I am also well versed in other cloud providers such as AWS and GCP, and am able to cross-apply cloud knowledge accordingly.

I also to a lesser extent do frontend work mainly in React (js/ts), where I have experience from both professional solutions and side projects.

I'm comfortable utilizing other languages and platforms such as Python, where I have experience with web development frameworks such as Flask and asyncio. Outside of this I am interested in learning more about other less known languages and technologies, where I have explored both Rust, Golang and Elixir. I also frequently use Python to automate day-to-day tasks such as automating API calls, batch database operations, etc.

- **Main languages:** C#.NET, Python, JavaScript/TypeScript
- **Languages I'm curious about:** Rust, Golang
- **Cloud:** Mainly Microsoft Azure, but also familiar with AWS and GCP

- **SQL/database:** MS SQL/PostgreSQL, Azure Cosmos DB
- **DevOps:** Gitlab, Azure Devops, Github
- **Other platforms, etc:** Webflow, Wordpress
- **Key words:** .NET, distributed systems, cloud, backend development, full-stack

## **Certifications**

- **AZ-900:** Microsoft Azure Fundamentals (December 19, 2022)
- **AZ-204:** Developing Solutions for Microsoft Azure (September 21, 2023)

## **Languages**

- **Norwegian** - Native
- **English** - Fluent

## **Interests**

- **Music Production & DJing:** Regular performances at nightclubs in Oslo and hosting events.