# 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+ years of professional experience developing solutions for a variety of clients, specializing 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 the client-consultant relationship. I value professionalism and set myself to a high standard in this regard.

In short, I am a highly motivated and driven developer who is eager to attain new knowledge and meet new people.

## Experience

September 2021 – to date
### 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.
- Current project: Key part of the developer team for a billing solution for a major toll service provider
- Mostly 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) and managing other business solutions
- Oversee financial planning, budgeting, and administrative operations
- In development: a custom web application for sales data analysis utilizing Bandcamp's API. (.NET + React)

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 mainly focused around the .NET + Azure 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 also to a lesser extent do frontend work 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. I also frequently use Python to automate day-to-day tasks such as automated API calls, batch database operations, etc.
- **Languages:** C#.NET, Python, JavaScript/TypeScript
- **Cloud:** Mainly Microsoft Azure, but also familiar with AWS and GCP
- **SQL/database:** MS SQL/PostgreSQL, Azure Cosmos DB
- **DevOps:** Azure Devops, Github
- **Other platforms, etc:** Webflow, Wordpress
- **Key words:** .NET Core, EF Core, cloud, devops, application development, full-stack, MVC

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

## Languages
- **Norwegian** - Native
- **English** - Fluent

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