



Personal Profil

Daniel Høyer Bjørnskov

Software Engineer & Software Architect.

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My name is Daniel Høyer Bjørnskov and I'm an outgoing software engineer and solution architect with experience in both complex software development and design as well as establishing and developing software teams and processes.

I have experience with both frontend, backend and fullstack tasks and has previously also touched on the DevOps role. For the past four years, I have primarily dealt with the role of Software Architect (solution architect), but also Agile/Scrum team management and a number of development tasks.

In the section below, examples of my most recent tasks within respective categories can be seen.

- **Frontend:** Development of SPA (Single Page Application) website with Vue based DevExtreme. Development of "Vanilla JS" and Typescript Electron desktop application. Creating CI/CD pipeline to handle Puppeteer snapshot tests with 0% fault tolerance.
- **Backend:** Concurrency/multithread-handling or database and external protocol integration. Development of common Maven repositories via Artifactory/Jfrog (similar tasks solved for internal NPM packages).
- **Fullstack:** API design (JSON schema standard) and associated implementation for multiple microservices. Knowledge sharing of architecture and technical choices to a larger development team with tools like Confluence, Draw.io and Arc42.
- **DevOps:** Produced Ansible deployment on CI/CD pipeline (TeamCity) in collaboration with Docker containers. The deployment handled the transfer and installation of RPM files, Docker containers and configuration files on multiple devices and across multiple networks.

I find myself well at the crossroads between the development role and tasks of a more architectural nature - and I like to be at the head of a team.

In the role of team-lead, I have implemented quality-enhancing processes such as the RobotFramework across several units and networks. In addition, I have also led new higher standards for code quality via static code analysis tools. Eg. CodeScene, Pitest, RobotFramework, etc.

I have a high level of initiative, ambition and personal expectation, all of which are driving forces for my work. I assume a great deal of responsibility for my and/or the team's tasks being solved to the best of their ability, so that the product reaches the desired goal.

Primary competencies

Frontend

JavaScript TypeScript Android Vue Angular HTML CSS Gridstack
Electron DevExtreme NPM Puppeteer Selenium SPA Jest

Backend

Java Python SQL Firebase MongoDB Redis Karaf Maven Gradle
JUnit/Mockito Concurrency/Multithreading Pitest LDAP HL7 FHIR

Fullstack

MQTT EMQX JSON Schema Microservices API design TOGAF Solution Architect
Event-driven Architecture

DevOps

Git Docker Artifactory/Jfrog SSH Ansible TeamCity GitLab Linux RPM
Robot Framework Bash/SH scripting VMWare CI/CD Network configuration

Tools

Draw.io Dependency-Track Confluence Arc42 ED109 Jira Bitbucket GitHub
IntelliJ PyCharm CodeScene Jekyll Markdown Wireshark

Career & projects

2025 - now

Saab Danmark, Software Architect
Industry: Aviation - Military and Civilian

Following years of continuous growth in both the VCS product and the organization, my role evolved from serving as a combined software architect and team lead for a single development team to taking on full responsibility as software architect across all application development teams, including cross-team coordination (embedded teams, platform teams and special-function teams).

Positioned with one foot in the source code and the other in close collaboration with system and solution architects, I now balance responsibilities that include designing software architecture, facilitating architectural reviews, and enabling high development velocity across teams. I support this by promoting knowledge sharing, providing clean and comprehensible architectural designs, and abstracting system-level concerns to shield individual developers from unnecessary complexity.

2019 - 2025

Saab Danmark, Software Architect || Team Lead
Industry: Aviation - Military and Civilian

As a software architect and team lead at Saab, my primary task was to design and develop the advanced TactiCall VCS product for the civil and military aviation industry.

During my time as software architect on the project, both the product and the team have experienced rapid development. The product has gone from consisting of a few lines of code to today being a full commercial system. At the same time, the team has grown from just three developers to today consisting of 11 developers and 3 testers.

In addition to design and development, my role also included facilitating the development process. It was therefore also his responsibility to coordinate deadlines for the development team, stand-up/retrospective/kickoff facilitation (SCRUM master tasks) as well as long-term development planning and strategy.

The involvement in the VCS project has given me extensive knowledge and experience with microservice architectures, multiple programming languages and technologies, as well as hands-on experience in driving high-quality software deliveries.

In the role of software architect, my specific development tasks have varied, from Frontend(e.g. SPA web server, Electron application or internal NPM packages) and Backend development(e.g. Concurrency handling or database and external protocol integration) , for DevOps tasks(e.g. Ansible deployments, Docker debugging and Karaf bundle container handling).

Skills utilized



2018 - 2019

Saab Danmark, Software Engineer
Industry: Aviation - Civilian

In the first year at Saab, I worked as a Software Engineer on the VCS project. Due to good development in the role and training through the Technological Institute and Danish IT (SystemArchitect - Practitioner), I was promoted to the role of Software Architect after one year.

In the role of Software Engineer, I was responsible for the production of an Electron desktop application based on a "Vanilla JS" and TypeScript project, development of several Java microservices and integration between applications with the MQTT protocol.

Given that the VCS product handles both radio and telephony communication (SIP and RTP/RTCP protocol), I have also built up good experience in debugging with tools such as Wireshark.

Skills utilized



2018 - 2019

INTEGU, Freelance Software Consultant
Industry: Public Healthcare

Over a period of half a year, I traveled to India with his wife in connection with her work. Given the successful working relationship with the former employer Capgemini, the position was converted to a freelance position. This allowed me to continue his work remotely from India throughout the six months.

Skills utilized



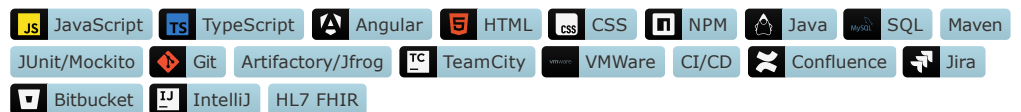
2018 - 2019

Capgemini, Software Engineer - Consultant
Industry: Public Healthcare

At Capgemini, I worked as a software engineer on a major booking system for the healthcare system. I quickly grew in his role (eg Java 8 OCA certification) and worked with a variety of development tools and -standards (e.g. HL7 FHIR) – all within an established SCRUM project.

During this employment, I gained an in-depth insight into what it means to work with legacy code, including the caveats and precautions that should be taken into account in order to work safely and efficiently in a 15+ year old codebase.

Skills utilized



Skill table

Roles

Roles	Skill level	Years experience	Last utilized
Software Architect	<div><div></div><div></div><div></div><div></div><div></div></div>	5	Today
Team Lead	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	6	2025
Software Engineer	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	6	2024
SCRUM-master	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	5	2024

Frontend Technologies

Frontend Technologies	Skill level	Years experience	Last utilized
<div><div></div> JavaScript</div>	<div><div></div><div></div><div></div><div></div><div></div></div>	7	Today
<div><div></div> TypeScript</div>	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	7	Today
<div><div></div> Android</div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	3	2020
<div><div></div> Vue</div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	3	Today
<div><div></div> Angular</div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	2	2020
<div><div></div> HTML</div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	7	Today
<div><div></div> Electron</div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	6	Today
<div><div></div> NPM</div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	7	Today
<div><div></div> Puppeteer</div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	5	2024
<div><div></div> CSS</div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	6	Today
<div><div></div> Selenium</div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	2	2024
<div>DevExtreme</div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	2	2024
<div>Gridstack</div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	3	2024
<div>SPA</div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	3	Today
<div>Jest</div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	5	2024

Backend Technologies

Backend Technologies	Skill level	Years experience	Last utilized
<div><div></div> Java</div>	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	7	Today
<div><div></div> Python</div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	4	Today
<div><div></div> SQL</div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	2	2019
<div><div></div> Firebase</div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	1	2020
<div><div></div> MongoDB</div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	3	Today
<div><div></div> Redis</div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	1	2023
<div><div></div> Gradle</div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	6	2019
<div>Karaf</div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	3	2025
<div>Maven</div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	7	Today
<div>JUnit/Mockito</div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	7	Today
<div>Concurrency/Multithreading</div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	6	Today
<div>Pitest</div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	6	Today
<div>LDAP</div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	1	2024
<div>HL7 FHIR</div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	1	2019






Fullstack Technologies







Fullstack Technologies	Skill level	Years experience	Last utilized
<div><div></div> MQTT</div>	<div><div></div><div></div><div></div><div></div><div></div></div>	6	Today
<div>EQMX</div>	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	3	Today
<div><div></div> JSON Schema</div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	6	Today
<div>Microservice</div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	6	Today
<div>API design</div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	6	Today
<div>Solution Architect</div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	5	Today
<div>TOGAF</div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	4	2024

DevOps Technologies

DevOps Technologies	Skill level	Years experience	Last utilized
<div><div></div> Git</div>	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	7	Today

Tools



DevOps Technologies	Skill level	Years experience	Last utilized
 Docker	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	6	Today
 Ansible	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	4	Today
 TeamCity	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	7	Today
 Linux	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	6	Today
 VMWare	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	7	Today
RPM	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	6	Today
Robot Framework	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	3	2025
Bash/SH scripting	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	6	Today
SSH	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	5	Today
Artifactory/Jfrog	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	7	Today
CI/CD	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	6	Today

Tools	Skill level	Years experience	Last utilized
 Confluence	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	7	Today
 Jira	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	7	Today
 Bitbucket	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	7	Today
 GitHub	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	7	Today
 IntelliJ	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	7	Today
 PyCharm	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	6	2024
CodeScene	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	5	2024
Arc42	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	5	Today
ED109	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	3	Today
Draw.io	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	4	Today
Jekyll Markdown	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	2	Today
Wireshark	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	6	Today

Publications

Presentations &

Lectures 2024


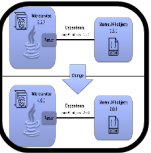
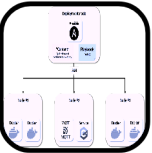

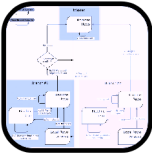


IDA/SFA - Military Drones and development of military technologies
<https://integu.net/ida-sfa/>

From idea to app - Problem-solving with iterative software development
<https://shorturl.at/qyzNP>

Blogs -

www.INTEGU.net 2018-2024



Solving Jest-Image-Snapshot Font Rendering Issues Within A Modern Branching Strategy
<https://shorturl.at/jHPUIW>

Design Patterns In Java
<https://shorturl.at/eEKNV>

Introduction To Ansible
<https://shorturl.at/FSTV0>

How To Handle API Dependencies In A Microservice Architecture
<https://shorturl.at/suwBI>

How To Manage Internal/External Package With Artifactory
<https://shorturl.at/qHIN6>

Education &

Certifications

2025	Certified SFA® 6 Agilist certified
2023	Eurocea ED-109 (software assurance level) certified
2021	Dansk IT - System Architect Practitioner (TOGAF)
2020	Dansk IT - IT Architect Foundation (TOGAF)
2018	Oracle - OCA – Java 8
2017	Huawei - Seeds for the Future
2015-2017	M.Sc. Innovative Communication Technologies & Entrepreneurship (Civil engineer)
2014-2015	B.Sc – Management Center Innsbruck
2012-2015	B.Sc. Innovation and Business (IB)