



Personal Profil

Daniel Høyer Bjørnskov

Software Engineer & Software Architect.

Daniel.h.bjornskov@gmail.com | www.INTEGU.net | www.linkedin.com/in/daniel-h%C3%B8yer-jacobsen

Daniel Høyer Bjørnskov is an outgoing software engineer with experience in both complex software development and design as well as establishing and developing software teams and processes.

The consultant has experience with both frontend, backend and fullstack tasks and has previously also touched on the DevOps role. For the past four years, he has 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 the consultant's 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.

The consultant finds himself well at the crossroads between the development role and tasks of a more architectural nature - and he likes to be at the head of a team.

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

The consultant has a high level of initiative, ambition and personal expectation, all of which are driving forces for the consultant's work. The consultant assumes a great deal of responsibility for his and/or the team's tasks being solved to the best of their ability, so that the customer is helped well to the 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

Fullstack

MQTT JSON Schema Microservice API design

DevOps

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

Tools

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

Career & projects

2019 - 2024

Saab Danmark, Software Architect

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

During Daniel's 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 10 developers and 2 testers.

In addition to design and development, the consultant's 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 the consultant 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, the consultant's 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 - 2020

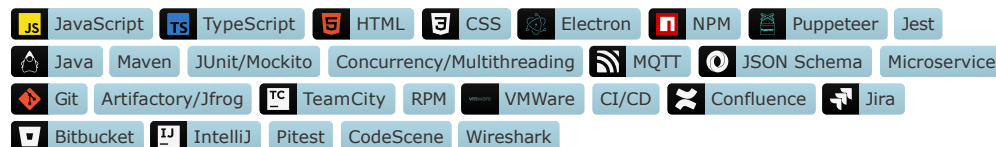
Saab Danmark, Software Engineer

In the first year at Saab, the consultant 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 (System Architect - Practitioner), the consultant was promoted to the role of Software Architect after one year.

In the role of Software Engineer, the consultant 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), the consultant has also built up good experience in debugging with tools such as Wireshark.

Skills utilized

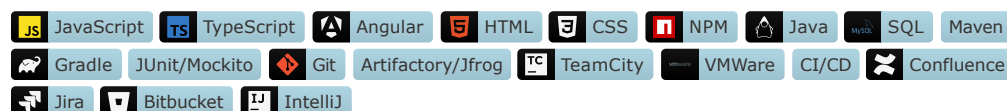


2018 - 2019

INTEGU, Freelance Software Consultant

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

Skills utilized



2018 - 2019

Capgemini, Software Engineer - Consultant

At Capgemini, the consultant worked as a software engineer on a major booking system for the healthcare system. The consultant quickly grew in his role (eg Java 8 OCA certification) and worked with a variety of development tools and services – all within an established SCRUM

project.

During this employment, the consultant 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> | 4 | 2024 |
| Software Engineer | <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> | 5 | 2024 |



Frontend Technologies

| Frontend Technologies | Skill level | Years experience | Last utilized |
|--|---|------------------|---------------|
| <div><div> JavaScript</div></div> | <div><div></div><div></div><div></div><div></div><div></div></div> | 6 | 2024 |
| <div><div> TypeScript</div></div> | <div><div></div><div></div><div></div><div></div><div></div></div> | 6 | 2024 |
| <div><div> Android</div></div> | <div><div></div><div></div><div></div><div></div><div></div><div></div></div> | 3 | 2020 |
| <div><div> Vue</div></div> | <div><div></div><div></div><div></div><div></div><div></div><div></div></div> | 2 | 2024 |
| <div><div> Angular</div></div> | <div><div></div><div></div><div></div><div></div><div></div><div></div></div> | 2 | 2020 |
| <div><div> HTML</div></div> | <div><div></div><div></div><div></div><div></div><div></div></div> | 6 | 2024 |
| <div><div> Electron</div></div> | <div><div></div><div></div><div></div><div></div><div></div></div> | 5 | 2024 |
| <div><div> NPM</div></div> | <div><div></div><div></div><div></div><div></div><div></div></div> | 6 | 2024 |
| <div><div> Puppeteer</div></div> | <div><div></div><div></div><div></div><div></div><div></div><div></div></div> | 5 | 2024 |
| <div><div> CSS</div></div> | <div><div></div><div></div><div></div><div></div><div></div></div> | 5 | 2024 |
| <div><div> Selenium</div></div> | <div><div></div><div></div><div></div><div></div><div></div><div></div></div> | 2 | 2024 |
| <div><div>DevExtreme</div></div> | <div><div></div><div></div><div></div><div></div><div></div><div></div></div> | 2 | 2024 |
| <div><div>Gridstack</div></div> | <div><div></div><div></div><div></div><div></div><div></div><div></div></div> | 3 | 2024 |
| <div><div>SPA</div></div> | <div><div></div><div></div><div></div><div></div><div></div><div></div></div> | 2 | 2024 |
| <div><div>Jest</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> Java</div></div> | <div><div></div><div></div><div></div><div></div><div></div></div> | 6 | 2024 |
| <div><div> Python</div></div> | <div><div></div><div></div><div></div><div></div><div></div><div></div></div> | 3 | 2024 |
| <div><div> SQL</div></div> | <div><div></div><div></div><div></div><div></div><div></div><div></div></div> | 2 | 2019 |
| <div><div> Firebase</div></div> | <div><div></div><div></div><div></div><div></div><div></div><div></div></div> | 1 | 2020 |
| <div><div> MongoDB</div></div> | <div><div></div><div></div><div></div><div></div><div></div><div></div></div> | 2 | 2024 |
| <div><div> Redis</div></div> | <div><div></div><div></div><div></div><div></div><div></div><div></div></div> | 1 | 2023 |
| <div><div> Gradle</div></div> | <div><div></div><div></div><div></div><div></div><div></div><div></div></div> | 6 | 2019 |
| <div><div>Karaf</div></div> | <div><div></div><div></div><div></div><div></div><div></div><div></div></div> | 2 | 2024 |
| <div><div>Maven</div></div> | <div><div></div><div></div><div></div><div></div><div></div><div></div></div> | 6 | 2024 |
| <div><div>JUnit/Mockito</div></div> | <div><div></div><div></div><div></div><div></div><div></div></div> | 6 | 2024 |
| <div><div>Concurrency/Multithreading</div></div> | <div><div></div><div></div><div></div><div></div><div></div></div> | 5 | 2024 |
| <div><div>Pitest</div></div> | <div><div></div><div></div><div></div><div></div><div></div></div> | 5 | 2024 |

Fullstack Technologies

| Fullstack Technologies | Skill level | Years experience | Last utilized |
|---|--|------------------|---------------|
| <div><div> MQTT</div></div> | <div><div></div><div></div><div></div><div></div><div></div></div> | 5 | 2024 |
| <div><div> JSON Schema</div></div> | <div><div></div><div></div><div></div><div></div><div></div></div> | 5 | 2024 |
| <div><div>Microservice</div></div> | <div><div></div><div></div><div></div><div></div><div></div></div> | 5 | 2024 |
| <div><div>API design</div></div> | <div><div></div><div></div><div></div><div></div><div></div></div> | 5 | 2024 |

DevOps Technologies

| DevOps Technologies | Skill level | Years experience | Last utilized |
|--|---|------------------|---------------|
| <div><div> Git</div></div> | <div><div></div><div></div><div></div><div></div><div></div></div> | 6 | 2024 |
| <div><div> Docker</div></div> | <div><div></div><div></div><div></div><div></div><div></div></div> | 5 | 2024 |
| <div><div> Ansible</div></div> | <div><div></div><div></div><div></div><div></div><div></div><div></div></div> | 3 | 2024 |
| <div><div> TeamCity</div></div> | <div><div></div><div></div><div></div><div></div><div></div></div> | 6 | 2024 |
| <div><div> Linux</div></div> | <div><div></div><div></div><div></div><div></div><div></div><div></div></div> | 5 | 2024 |
| <div><div> VMWare</div></div> | <div><div></div><div></div><div></div><div></div><div></div><div></div></div> | 6 | 2024 |
| <div><div>RPM</div></div> | <div><div></div><div></div><div></div><div></div><div></div><div></div></div> | 5 | 2024 |

Tools

| DevOps Technologies | Skill level | Years experience | Last utilized |
|---------------------|-------------|------------------|---------------|
| Robot Framework | ●●●●●● | 2 | 2024 |
| Bash/SH scripting | ●●●●●● | 5 | 2024 |
| SSH | ●●●●●● | 4 | 2024 |
| Artifactory/Jfrog | ●●●●○ | 6 | 2024 |
| CI/CD | ●●●●●● | 5 | 2024 |

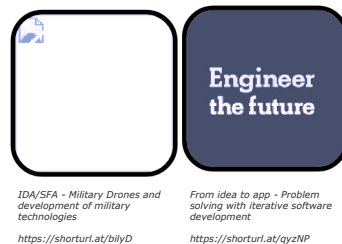
| Tools | Skill level | Years experience | Last utilized |
|-----------------|-------------|------------------|---------------|
| Confluence | ●●●●●● | 6 | 2024 |
| Jira | ●●●●●○ | 6 | 2024 |
| Bitbucket | ●●●●●● | 6 | 2024 |
| GitHub | ●●●●●● | 6 | 2024 |
| IntelliJ | ●●●●●● | 6 | 2024 |
| PyCharm | ●●●●●● | 6 | 2024 |
| CodeScene | ●●●●●○ | 5 | 2024 |
| Arc42 | ●●●●●● | 4 | 2024 |
| ED109 | ●●●●●● | 2 | 2024 |
| Draw.io | ●●●●●● | 3 | 2024 |
| Jekyll Markdown | ●●●●○ | 1 | 2024 |
| Wireshark | ●●●●○ | 5 | 2024 |

Publications

Presentations &

Lectures

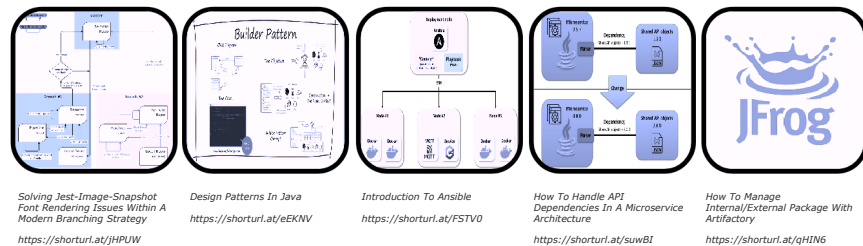
2024



Blogs -

www.INTEGU.net

2018-2024



Education &

Certifications

2023

2021

2020

2018

2017

2015-2017

2014-2015

2012-2015

Eurocea ED-109 (software assurance level) certified

Dansk IT - System Architect Practitioner

Dansk IT - IT Architect Foundation

Oracle - OCA - Java 8

Huawei - Seeds for the Future

M.Sc. Innovative Communication Technologies & Entrepreneurship

B.Sc - Management Center Innsbruck

B.Sc. Innovation and Business (IB)