



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 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 JSON Schema Microservice API design TOGAF Solution Architect

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
Industry: Aviation - Military and Civilian

As a software architect 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 10 developers and 2 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

JS

JavaScript

TS

TypeScript

Vue

Vue

HTML

HTML

CSS

CSS

Gridstack

Gridstack

Electron

Electron

DevExtreme

DevExtreme

NPM

NPM

Puppeteer

Puppeteer

Selenium

Selenium

SPA

SPA

Jest

Jest

Java

Java

Python

Python

MongoDB

MongoDB

Redis

Redis

Karaf

Karaf

Maven

Maven

JUnit/Mockito

JUnit/Mockito

Concurrency/Multithreading

Concurrency/Multithreading

LDAP

LDAP

MQTT

MQTT

JSON Schema

JSON Schema

TOGAF

TOGAF

Solution Architect

Solution Architect

Microservice

Microservice

API design

API design

Git

Git

Docker

Docker

Artifactory/Jfrog

Artifactory/Jfrog

SSH

SSH

Ansible

Ansible

TeamCity

TeamCity

Linux

Linux

RPM

RPM

Robot Framework

Robot Framework

Bash/SH scripting

Bash/SH scripting

VMWare

VMWare

CI/CD

CI/CD

Draw.io

Draw.io

Confluence

Confluence

Arc42

Arc42

ED109

ED109

Jira

Jira

Bitbucket

Bitbucket

IntelliJ

IntelliJ

PyCharm

PyCharm

Pitest

Pitest

CodeScene

CodeScene

Jekyll Markdown

Jekyll Markdown

Wireshark

Wireshark

LDAP

LDAP

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

JS

JavaScript

TS

TypeScript

HTML

HTML

CSS

CSS

Electron

Electron

NPM

NPM

Puppeteer

Puppeteer

Jest

Jest

Java

Java

Maven

Maven

JUnit/Mockito

JUnit/Mockito

Concurrency/Multithreading

Concurrency/Multithreading

MQTT

MQTT

JSON Schema

JSON Schema

Microservice

Microservice

Git

Git

Artifactory/Jfrog

Artifactory/Jfrog

TeamCity

TeamCity

RPM

RPM

VMWare

VMWare

CI/CD

CI/CD

Confluence

Confluence

Jira

Jira

Bitbucket

Bitbucket

IntelliJ

IntelliJ

Pitest

Pitest

CodeScene

CodeScene

Wireshark

Wireshark

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

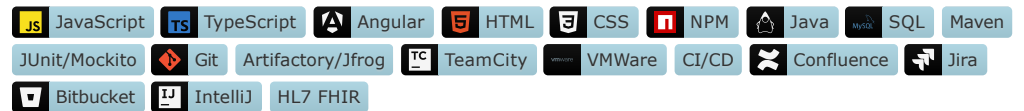
Capgemini, Software Engineer - Consultant

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>	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
<div><div>LDAP</div></div>	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	1	2024
<div><div>HL7 FHIR</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> 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
<div><div>Solution Architect</div></div>	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	4	2024
<div><div>TOGAF</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> 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

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

Tools

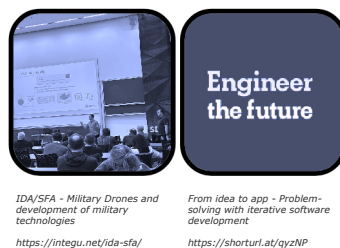
Tools	Skill level	Years experience	Last utilized
 Confluence	●●●●●●	6	2024
 Jira	●●●●●○	6	2024
 Bitbucket	●●●●●●	6	2024
 GitHub	●●●●●●	6	2024
 IntelliJ	●●●●●●	6	2024
 PyCharm	●●●●●●	6	2024
CodeScene	●●●●●○	5	2024
Arc42	●●●●●●	4	2024
ED109	●●●●●●	2	2024
Draw.io	●●●●●●	3	2024
Jekyll Markdown	●●●●○●	1	2024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

Publications

Presentations &

Lectures

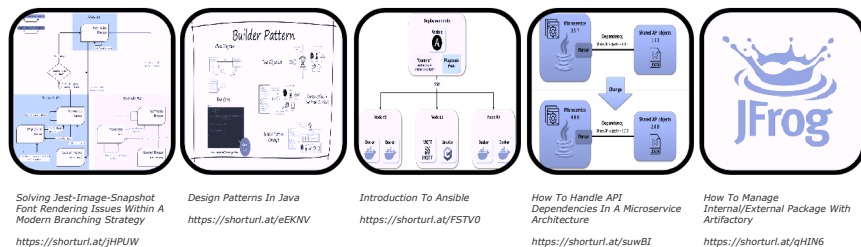
2024



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 (TOGAF)

Dansk IT - IT Architect Foundation (TOGAF)

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)