



Olof Olsson

CV February 4, 2025

Experienced IT architect with a Master of Science degree in Computer Science from Lund University and a strong software background with over 7 years of experience. I have successfully completed many projects and possess in-depth knowledge of modern technologies and system architecture. With a focus on creating innovative and efficient IT solutions, I am dedicated to supporting business goals and driving digital transformation. Some of my projects include developing and designing IT strategies for CVR.dk, the Danish Business Authority's business registry. The CVR register contains over 3 million records, with thousands of changes occurring daily. These changes are governed by strict legal and security regulations, making the process of modifying and searching these datasets both highly challenging and fascinating.

Education

- 2012-2017 **MSc – engineering, computer science**, *Faculty of Engineering (LTH)*, Lund University
Master's focus: software development for large systems, economy, statistics and configuration management.
Master's thesis: Emulator for dynamic vegetation models - supervised learning in large data sets.
- 2012-2018 **courses – MSc Industrial Economics**, *Faculty of Engineering (LTH)*, Lund University
Courses include, among others: Production Economics, Leadership, Marketing, and Industrial Procurement
- 2018-2023 **Netcompany academy**, Copenhagen
Teacher - Client engagement seminar 5 days.
Teacher - Software performance course at Netcompany. 5 sessions 4 hours each.
Participant - Communication and Presentation Seminar - 2 days.
Participant - Project and team management seminar - 3 days.
Participant - New senior seminar - 2 days.
Participant - Technology seminar. Topics such as security, CI, CD, TDD, Cloud. 3 days.
Participant - Client engagement seminar 5 days.

Certificates

PRINCE2 7 Foundation, *PeopleCert*
AWS Certified Solutions Architect - Associate, *Amazon Web Services (AWS)*
AWS Certified Cloud Practitioner, *Amazon Web Services (AWS)*
AZ-900 - Microsoft Azure Fundamentals, *Microsoft Azure*

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Work experience

- Maj 2024 **IT-Consultant with architecture focus**, SAAB - KNOWIT, Karlskrona
- Nov 2024 Architect and technical leader at Knowit. Mainly worked for SAAB Kockums. Se section “Projects, Roles and responsibilities” for more information.
- Dec 2023 **Managing Architect**, NETCOMPANY, Copenhagen
- April 2024 Technical leader at the Danish business authority. Se section “Projects, Roles and responsibilities” for more information.
- Dec 2019 **Senior Software Architect**, NETCOMPANY, Copenhagen
- Dec 2023 Technical leader at the Danish business authority. Se section “Projects, Roles and responsibilities” for more information.
- Dec 2017 **Consultant**, NETCOMPANY, Copenhagen
- Dec 2019 Worked mainly at the Danish business authority to aid, implement and improve their journey towards a more digital authority. I have been involved in software-projects that are crucial for the Danish society such as: cvr.dk, registration of yearly reports, danish property-valuation, danish register of foreign companies and their affairs to name a few.
- Jun – Aug 2016 **Software developer**, AXIS COMMUNICATIONS, Lund
- Developed a system to simplify the process of detecting what features specific cameras had. The collected data was then used throughout the organization, for example to determine which tests that should execute on specific cameras. The system was developed in Python.
- Jun – Aug 2015 **Software developer**, AXIS COMMUNICATIONS, Lund
- Developed a new system for maintaining AXIS API documents trough Gerrit. The system provided better search alternatives and an informative overview of the different revisions. The results was displayed in a TWiki environment. I also investigated a strategy for performance-testing of API calls to a PTZ camera. I mainly developed the project in Python but I also wrote code in Perl, CSS, Bootstrap, HTML, Bash and SQL.
- Jun – Aug 2014 **Software developer**, SONY MOBILE, Lund
- Worked with Sony's SMS-application. I mainly worked with quality assurance such as correcting bugs, maintaining older branches and writing bug-reports. Developed in Java.
- January – June 2014 **Junior software developer**, SONY MOBILE, Lund
- Hourly employee, Main project goal was to simplify automated tests for Sony's mobiles. Worked average 15 hours/week besides school. Developed in Python.

Computer knowledge

- Advanced Agile workflows, API-design and development (REST, Soap, WFS), Spring, Groovy, Grails, Git, Elastic-search, SQL.
- Intermediate Java, Vue.js, Python, Bash, Matlab, Spock, JUnit, Linux, JavaScript, Jenkins, TestCafe, Gatling, HTML, Docker, Kibana, SOAP, Jenkins, Logstash, Swagger, SOA, Microservices, Contentful, Drupal, PHP, WCAG 2.1 AA, Tesseract (OCR), Elastic-APM. React, MVC, Azure Cloud Services, AWS cloud, TOGAF.
- Basic Kubernetes, C++, .NET, Entity Framework, Perl, C#, XML, XSL, Newrelic, Clover, SIG, Piwik, GraphQL, Kibana, Vue.js, leaflet, openClover, SparxEA.
- Used Helm, JFrog, Gerrit, Apache, Jira, Excel, Django, PowerPoint, OpenSLL, SSH, Slack, Trello, MS project, Word, Photoshop, SciPy, Prezi, Eclipse and IntelliJ IDEs.

Languages

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Swedish Excellent both oral and written
English Excellent both oral and written
Danish Adequate both oral and written

Extra curricular activities

- Dec 2022 **Teacher - Client engagement seminar, Netcompany**
I facilitated the onboarding of 88 new employees at Netcompany, serving as a teacher. This comprehensive course, spanning 5 days, encompassed a consultant's role in an agile software project, covering all aspects from the analysis phase to building and quality assurance.
- Dec 2020 **Guest lecture - Configuration management, LTH**
Re-invited to to share my configuration management experiences to master students at LTH. Zoom-lecture.
- Dec 2019 **Guest lecture - Configuration management, LTH**
Shared my configuration management experiences to master students at LTH.
- 2015 - 2016 **Head of public relations at TLTH dance courses, LTH**
Responsible for marketing and communication.
- September
2013 **Mentor for new MSc students, LTH**
Introduced 18 computer-science students to Lund University.

Licenses

Swedish drivers license grade B
Swedish hunting license
Skipper's degree

References

Given upon request

Projects, Roles and responsibilities

- 2024 **Architect and technical leader, SAAB**, Team size 30+
Employed as an architect at SAAB Karlskrona, focusing on understanding the complexities within the business to facilitate the modernization of their IT department and contribute to their ongoing transformation journey.
- 14 months 2023-2024 **Senior Architect and technical leader, Danish Business authority**, Team size 8,3,3
After a reorganization within the authority, I was appointed to managing architect for three teams responsible for maintaining five solutions for other public authorities in Denmark. The role encompassed tasks such as providing technical roadmaps, designing robust software solutions, designing API's and ensuring stringent quality assurance measures as well as overseeing the smooth transition of a solution from a competing consultancy firm. The solutions maintained utilizing technologies such as Grails, Spring, Drupal, ElasticSearch, and MySQL.
- 8 months 2021-2022 **Senior Architect and technical leader representing Netcompany at the authority, Danish Business authority**, Team size 5
I was responsible together with other architects to specify and evaluate technologies, processes and tools that are used across projects within the authority. The team touched topics such as; Application performance monitoring using elastic-apm, Multicloud analysis, Integration to new generation digital post and standardization of CI/CD-pipelines, GDPR and WCAG. In addition, the group delved into the utilization of test-containers and actively explored methodologies to establish standardized container baselines
- 4 months 2021-2022 **Senior Architect, Swedish food administration (livsmedelsverket)**, Team size 11
I participated in the initial phase of a new software solution aimed at standardizing processes in the slaughterhouse industry. The project was developed using Java Spring Boot for the backend, with a React frontend, and hosted with Azure Cloud Services. The project was incredibly exciting for me, but due to COVID restrictions and the logistical challenges posed by the administrative location in Uppsala, I made the decision to transition back to working in Copenhagen.
- 8 months 2021-2021 **Architect and technical leader at cvr.dk transition, Danish Business authority**, Team size 14
I was responsible for the transition and modernization of one of the main applications at the authority, cvr.dk. My role involved preparing and planning the scope and timeline for various stages of the transition. I also participated in developing some crucial parts of the transition. The transition of cvr.dk had go-live in January 2022 with great success. Technologies: Vue.js frontend, Elastic-search, Java backend, mySQL
- 8 months 2019-2020 **Architect and technical leader, Register of Foreign Operations in Denmark**, Team size: 14
Danish government's official register for foreign operations carried out in Denmark. The project was implemented using ERST Agile SCRUM principles. Olof was software architect on the solution and responsible for the architectural decisions throughout the project. He also made sure that the project adhered to the architectural principles defined by the authority. The project was evaluated by external experts regarding security, performance and usability before production. The project was operating successfully 28/12 2020 and handles an average 300 registrations per day. The solution was developed as a Grails4 backend with MySQL-database using triggers to populate elastic-search indexes. Frontend was Vue.Js + typescript. APM was done using Elastic-APM. Contentful was used for retrieving dynamic content. Both on premise servers and cloud providers (AWS) was used for deploying the whole solution.

- 6 months 2019 **Senior developer and later technical leader, Maintenance team at The danish business authority,** Team size: 14
Responsible for technical refinement of user-stories before given to developers at the maintenance-team. Together the team maintain ca 15 solutions including cvr.dk, registration of yearly reports, danish property-valuation, danish register of foreign companies and their affairs. Projects that all are crucial for Danish society. The rapid career-advance is explained by the covid19 pandemic requiring current technical lead to transfer to projects aiming to compensate companies affected by the pandemic.
- 4 months 2019 **Developer, Supervision of residence rentals in Denmark,** Team size: 9
The project was implemented using ERST Agile SCRUM principles and covered analysis, implementation and initial maintenance of a new system to simplify supervision and control of the residence rental market in Denmark. The solution combined data from many different registers and displayed these for the user. The solution processed sensitive data and therefore had many strict claims regarding security and user traceability. Olof was mainly developer but also attended and facilitated some workshops in the beginning of the project.
- 1 months 2019 **Developer, OCR component,** Team size: 1
The solution enabled automatic translation of images to text using Tesseract machine-learning library. The component mainly handled images containing passport numbers and vehicle plates. The solution was implemented as a microservice enabling easy horizontal scaling.
- 4 months 2018-2019 **Developer, New elastic-search for CVR.dk,** Team size: 2
CVR.dk has 30 000-40 000 visitors per day that performs searches in the authorities registers. To better support the ever increasing user-cases requested to the authority each year they decided to improve and scale their elastic-search-capabilities. New and better elastic-search-indexes was configured and many new filter options was added.
- 4 months 2018 **Developer, New order management system for CVR.dk,** Team size: 2
The project included analysis and implementation of a new order management system for CVR.dk. The business-authority offers the possibility to buy different documents at CVR.dk. Most of these documents requires some manual processing before they can be sent to the customer. The solution replaced an old legacy system with a new one. The case-mangers at the authority was included in the project to ensure that the solution was perfectly tailored to their needs.
- 4 months 2017 -2018 **Developer, Maintenance team at The danish business authority,** Team size: 10
Included in the maintenance-team at the authority. Implemented minor and major change-requests and bug-fixes. Main solutions CVR.dk and Register of Foreign Service Providers (RUT).