



# Technical project manager

## Solution architect and senior full stack developer

The last years I been teaching young developers professional development skills, agile development best practices, progressive web app technology and devops.

I work as Technical project manager with building R&D organizations and software product innovation processes, where I can use my background as product manager, solution architect and senior full stack developer.

I am an experienced manager of outsourced teams in many different countries, working with team efficiency based on pragmatic Scrum approach. I have experience with large scaled agile projects with hundreds of people involved.

I am used to working with confidential information and have been security cleared many times.

### Product innovation and specialist knowledge

I worked many years on products for the educational sector and non-profit projects like Oligo Academy, that uses 3D design in virtual worlds for primary schools, when teaching environmental issues and other study subjects.

I have specialist knowledge from the public sector and leading CMS and document management systems: Sitecore, DOCUMENTUM, Public 360 and Captia. As product manager in Software Innovation I had to read Danish law on private data, as well as document and record management processes in the public sector (ESDH).

I have been programming 38 years in more than 20 different programming, script and database languages. My recent programming skills include NodeJS, JavaScript, Python, C# and React for progressive web apps (PWA). I have worked mostly with REST API and microservice architectures, using OpenAPI (Swagger) or RAML specifications.

### Nikolaj Lisberg Hansen

Born 1973 and started programming early in 1984. Got my first programming job in 1995 and started working as freelance solution architect and technical project manager in 2006. Today I teach new developers agile development practices. I love to draw, listen to music and practice the martial art Tai Chi for health and self defence. I travel to learn new languages and like talking to people, over a good cop of coffee.

### Languages

Danish	Professional
English	Professional
German	Very good

### Availability

From 1<sup>st</sup> of May 2024 I will be available to work 25 hours per week

I can work remotely and go to on-site meetings near Copenhagen in Denmark.

Remote Senior developer: 95 € / hour (710 DKK)

Remote Technical Project Manager or Solution Architect: 110€ / hour (820 DKK)

On-site Senior developer, Solution Architect or Technical Project Manager: 125€ / hour (930 DKK)

### Contact information

Nikolaj Lisberg Hansen,  
Mobile: +45 22 90 91 22  
E-mail: nlh@olio.dk



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# Skills

Project management and Product innovation skills				
Category	Subject	Skill level	Years	Last used
Work area	Technical project management	Very skilled	23	2024
Work area	Solution and product architecture	Very skilled	24	2024
Work area	Requirement specification	Very skilled	22	2024
Work area	Programming	Expert	29	2024
Work area	Scrum and scaled agile processes	Very skilled	14	2024
Work area	Originative learning and innovation processes in organizations	Very skilled	18	2024

Mobile and Web development skills				
Category	Subject	Skill level	Years	Last used
Work area	Web development	Expert	23	2024
Work area	Web usability and workflows	Very skilled	14	2024
Languages	JavaScript	Expert	23	2024
Languages	NodeJS	Skilled	8	2024
Development	Microsoft Visual Code	Very skilled	8	2024
Work area	React and Material UI for Progressive web apps (PWA)	Skilled	7	2024
Work area	React Native	Skilled		2019
Work area	REST API architecture (OpenAPI and RAML specification)	Skilled	5	2022
Languages	jQuery	Skilled	5	2015
Languages	AngularJS	Skilled	3	2017

### Enterprise search and Data science skills

Category	Subject	Skill level	Years	Last used
Work area	Solr search engine	Skilled	4	2021
Languages	Python and NLP	Skilled	2	2020
Languages	Java	Very skilled	14	2015
Development	NetBeans Java IDE	Skilled	2	2018
Development	Eclipse Java and PHP IDE	Very skilled	8	2014

### Enterprise content management and development skills

Category	Subject	Skill level	Years	Last used
Work area	Record and Document management	Expert	16	2024
Work area	Sitecore 7	Very skilled	5	2014
Languages	C#	Very skilled	15	2020
Development	Microsoft Visual Studio	Very skilled	15	2020

### DevOps, Database and platform skills

Category	Subject	Skill level	Years	Last used
Platform	Docker for Mac and Windows	Skilled	4	2022
Database	Cassandra NoSQL	Skilled	2	2020
Database	MySQL and MariaDB	Very skilled	19	2024
Database	Oracle	Very skilled	10	2018
Database	Microsoft SQL server	Skilled	12	2015
Platform	Linux/UNIX	Skilled	13	2024
Platform	OpenSimulator virtual world simulator	Skilled	6	2020
Development	Blender / Blend4Web automation	Skilled	2	2018
Platform	Raspberry Pi mini servers	Skilled	2	2021

# Project experience

Customer:	<b>Olio Aps, Co-pilot and Butterflies non-profit</b>
Period:	2020/06 –
Description:	Mentor for new IT professionals
Used skills:	On the job training of new IT-professionals
My role:	Teaching new developers teamwork and agile processes, working on Progressive Web Apps (PWA) in React, Material UI, NodeJS, Sequelize, MariaDB, Plesk.

Customer:	<b>OLIO Product Innovation</b>
Period:	2021/02 – 2022/11
Description:	Technical project manager, solution architect and senior developer on sustainable product innovation projects.
Used skills:	Fund raising, SCRUM, architecture discussions, requirement specification and project management of distributed teams.
My role:	Technical project manager, solution architect and senior developer teaching teams working with progressive web apps in React, Material UI, NodeJS, Sequelize, MariaDB, Plesk, Raspberry Pi, SolrCloud and agile processes.

Customer:	<b>Leonardo Development at the Little Music School</b>
Period:	2020/06 –
Description:	Technical project manager and solution architect for REST API on school administration and booking portal. Teaching and managing a team of young full stack developers from HackYourFuture.
Used skills:	People management, SCRUM, architecture discussions and requirement specification. Project management of distributed teams.
My role:	Technical project manager, solution architect and senior developer as backup for other people developing progressive web apps in React, Material UI, NodeJS, Sequelize, PHP, CodeIgnitor, MariaDB, Plesk.

Customer:	<b>Mind4IT part of Visma consulting</b>
Period:	2016/01 – 2018/05

Description:	Technical project manager and solution architect for REST API used in Player Account Management system. Implementation and integration of Single Sign On (SSO) solution using OAuth and other custom protocols.
Used skills:	People management, SCRUM, architecture discussions and requirement specification. Project management of distributed teams from different vendors in many different countries and company cultures.
My role:	Technical project manager, but with some solution architect and senior developer tasks as backup for other people.

Customer:	<b>Olio ApS product development</b>
Period:	2014/03 – 2020/12
Description:	Olio ApS is specialized in product research and development. Example projects: Bolig Fund is a real estate search solution based on OpenStreetMap and Solr. Oligo Academy is a concept for public schools to engage with each other in an open network society for education in virtual worlds, to help with inclusion of students having social barriers for learning. Lisberg IO is a product for teaching team development processes in public schools.
Used skills:	OpenSimulator, C#, LSL, MySQL, Blender, Blend4Web (presenting 3D models in browser online), NetBeans, Java, AngularJS, Javascript, HTML5, CSS3. Mumble, NodeJS, WebGL and ThreeJS for 3D visualization.
My role:	Product manager, solution architect, technical project manager and senior developer.

Customer:	<b>Twins Consulting</b>
Period:	2015/11 – 2015/12
Description:	Short term senior frontend developer tasks for two large public sector customers in Denmark, implementing usability and design in self service solution and developing advanced UI components for map integration and forms with advanced conditional filters.
Technologies:	AngularJS, Bootstrap (Sass), HTML5, CSS3, Gulp, C#, ASP.NET, MVC, Razor, SharePoint, OpenLayers.
My role:	Senior frontend developer

Customer:	<b>FindWise</b>
Period:	2014/11 – 2015/08
Description:	Working with large Danish private and public sector customers to improve their Enterprise Search strategy for both internal and public content.
Technologies:	Solr, Google Search Appliance (GSA), Findwise i3, MongoDB, Java, Maven, AngularJS, jQuery, Javascript and CSS.
My role:	Technical project manager and senior consultant

Customer:	<b>Empisto</b>
Period:	2012/06 – 2014
Description:	Building IT consultant company for assisting public sector customers, with document management and CMS. Building outsourced agile development team, that customers can hire for product development. Developing and selling a course and education management system for higher education.
Technologies:	Sitecore, C#, MS SQL server, PHP, MySQL.
My role:	Partner and co-founder.

Customer:	<b>Addition</b>
Period:	2012/03 – 2014/03
Description:	Working with key accounts like The Danish Paliament (Folketinget), the Foreign Ministry (Udenrigsministeriet), the Ministry of Employment (Beskæftigelsesministeriet).
Technologies:	Sitecore, C#, MS SQL server.
My role:	Sitecore solution architect and technical project manager.

Customer:	<b>Secretary of Energy Effective Buildings under the Danish Energy Agency.</b>
Period:	2010/12 - 2011/03
Description:	Implement Portfolio 1.3 as course administrations system for energy label consultants at the Secretary of Energy Effective Buildings under the Danish Energy Agency.  Integration to WinFinans accounting system for company information and invoice generation.
Technologies:	HTML, CSS, PHP, MySQL.
My role:	Web developer

Customer:	<b>EK-Pro ApS</b>
Period:	2010/08 - 2011/10
Description:	Development .NET based energy label calculation system for the Danish Energy Agency.
Technologies:	HTML, CSS, VB.NET, SQL Server 2008
My role:	Product manager and senior developer

Customer:	<b>Olio ApS</b>
Period:	2010/04 - 2010/08
Description:	Portfolio 1.3 product development of course administration and education management system based on record and document management. Development of automatic course enrollment, Windows 7 and Office 2010 support.
Technologies:	Portfolio, PHP 5, MySQL 5, Java SE 1.6, XML
My role:	Solution architect and senior PHP developer

Customer:	<b>DRUID</b>
Period:	2009/12 - 2010/02
Description:	Development of new design in HTML, CSS for PHP backend. User interface design for conference web application with integration to payment solution.
Technologies:	HTML, CSS and PHP
My role:	Web developer

Customer:	<b>Addition</b>
Period:	2009/08 - 2010/03
Description:	Sitecore business developer and architect at Addition for customers like Ministry of Employment, IT University and others.
Technologies:	Sitecore CMS 6, .NET, MS SQL server, Windows 2008, Ankiro. Mail monitor
My role:	Solution architect

Customer:	<b>Olio ApS</b>
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Period:	2008/08 - 2009/03
Description:	Portfolio 1.2 product development of course administration and education management system based on record and document management. Education management tools based on record and document management to support the needs of Copenhagen Business School (CBS). Implement online evaluation and process automation for Academic Professional Development Program (PhD courses at CBS). Develop plugin architecture (XML merger).
Technologies:	Portfolio, PHP 5, MySQL 5, Java SE 1.6, XML
My role:	Solution architect and PHP developer

Customer:	<b>Scanjour</b>
Period:	2008/08 - 2008/12
Description:	Development of Captia 4 customer specific solution
Technologies:	XML, XSL, JavaScript, Oracle PL/SQL, .NET web technology, C#
My role:	Web and database developer

Customer:	<b>GORM LARSEN &amp; PARTNERS</b>
Period:	2007/09 - 2008/08
Description:	Start web development unit and new business area for digital media
Technologies:	Requirement specification, sales, building infrastructure, tools and work processes. Implementing Visual Studio, Subversion, PHP5, MySQL 5, VMWare tools.
My role:	Web solution architect and developer of Sitecore and PHP CMS based websites

Customer:	<b>Copenhagen Business School Learning Lab</b>
Period:	2007/02 - 2014/08
Description:	Product development based on work flow analysis of course administration. Develop course administration tool based on PHP5, MySQL 5 and Windows 2003 Platform. Implementation of security for confidential personal information as required by Danish law. MicroSoft Word and Outlook integration and automation. Java Applet development for integration with MicroSoft Office.
Technologies:	PHP5, MySQL 5, Java SE, VBA



My role:	Web solution architect and developer. Work flow analysis and project management
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Customer:	<b>Scanmaps</b>
Period:	2006/08 - 2007/01
Description:	<p>Automation of business critical processes in Adobe Illustrator with Adobe JavaScript.</p> <p>Integration to GIS systems from the Danish Ministry of the Environments using Web Map Services (WMS) in PHP.</p> <p>Development of Java applet for web shop.</p> <p>Requirement specification of security solution for distribution of digital maps.</p>
Technologies:	PHP, Java, JavaScript, Adobe Illustrator
My role:	Solution architect and developer

Customer:	<b>Scanmaps</b>
Period:	2006/04 - 2006/07
Description:	<p>Java and PHP developer.</p> <p>Developing web shop in PHP, based on data from Navision and a MySQL database.</p> <p>Graphical image manipulation in Adobe Photoshop</p>
Technologies:	PHP, Java, JavaScript, FreeBSD
My role	PHP and Java developer, managing the webshop scanmaps.dk that sells travels guides and maps for destinations all over the world.

Customer:	<b>Scanjour A/S</b>
Period:	2004/05 - 2006/04
Description:	<p>Web and database developer in Scanjourns R&amp;D working mostly with web based user interfaces for the product Captia.</p> <p>Developing OpenOffice integration to Scanjour Captia.  Oracle PL/SQL development of access control and security features.  SKAT: Optimization of Oracle SQL requests.  Developing integration to PDF based NetBlanket forms solution.  Developing installation and automation tools for software production.  Member of the architecture team working with FESD standards</p>
Technologies:	JavaScript, HTML, CSS, XML, XSLT, C# and Oracle PL/SQL
My role	Web and database developer
Customer:	<b>Software Innovation A/S</b>
Period:	2003/05 - 2004/04
Description:	<p>Product manager responsible for making growBusiness ready for the Danish market. growBusiness is a business platform for record and document management, CRM system, portal solution, work flow module and project management tool.</p> <p>Requirement specification and negotiation in relation to the FESD project, which was the largest IT contract in the history of Denmark.</p> <p>System architect and developer of render server for growBusiness in C# based on web service interface to Neevia Document Converter and Abby Fine Reader (OCR). The render server and convert any document format to PDF, TIF and text.</p>
Technologies:	C#, XML, XSLT, HTML, JavaScript
My role:	Product manager and system architect and lead developer

Customer:	<b>Software Innovation DocuLive A/S</b>
Period:	2002/06 - 2003/04
Description:	<p>Program development and integration of DocuLive in QBE-Vision, Visual Basic and VBA. Developing integration to other systems in Java and stored procedures.</p> <p>Development of Oracle to MS SQL server incremental replication based on business rules in Java. Filtering and support for document publishing on FTP site or to database. Web based administrator interface in JSP based on Apache TomCat.</p> <p>Developing DocuLive integration to Navision with Oracle Java stored procedures talking to MS SQL server database via Oracle Heterogenius Services.</p> <p>Developing DocuLive full text search integration to OracleText. Wrapping OracleText to secure processing and error handling to gain better quality of service.</p>
Technologies:	Java, DocuLive, QBE-Vision, Visual Basic, VBA
My role:	Developer with project responsibility
Customer:	<b>TietoEnator</b>
Period:	2001/02 - 2002/05
Description:	CMS developer with project responsibility for Documentum Web Content management solutions. System architect on Nordea Group Intranet based on Documentum WebPublisher. Borealis: Requirement specification, estimates/project planning and development of Documentum templates for www.borealisgroup.com. Development of web based administration interface in Java and JSP on a Apache TomCat server.
Technologies:	Java, JSP, JavaScript, docbasic, WebQL, Visual Basic, DQL, SQL, HTML, XML and XSL.
My role:	Documentum consultant and web solution architect/developer

Customer:	<b>Siemens Business Services</b>
Period:	1999/01 - 2001/01
Description:	<p>Developing integration to DocuLive in QBE-Vision, Visual Basic.</p> <p>Installation and configuration of Oracle databases and some MS SQL-server databases. Developing SQL scripts. Estimating development tasks.</p> <p>My three largest projects:  National Directorate of Labour:  Technical lead on major upgrade and development project.  Developing paradigm system for document production in VBA.  The Danish State Archives:  Developing software for exporting documents and meta data to a format that can be stored for the next 800 years at Danish State Archives.  Performing an export to Danish State Archives for the Ministry of Science, Technology and Innovation.  Sygehus Fyn:  Converting 5 Novell SoftSolution databases to Doculive on Oracle.</p>
Technologies:	DocuLive, QBE-Vision, Visual Basic, VBA
My role:	Consultant and developer

Customer:	<b>Copenhagen Business Schools Institute for Accounting and Auditing</b>
Period:	1997/01 - 1998/01
Description:	<p>System administrator and part of the superuser group on own initiative.</p> <p>Administration of Windows NT servers.  Installation of all new computers and software.  Installation of Windows 95/98/NT workstations.</p>
Technologies:	Windows 95/98/NT
My role:	System administrator

Customer:	<b>Account Data A/S</b>
Period:	1995/01 - 1999/01
Description:	<p>Administration of UNIX servers with INFORMATION (Universe) database.</p> <p>Database development in INFO/BASIC and client development in Delphi.</p>
Technologies:	UNIX, INFORMATION database, Delphi
My role:	Database developer and system administrator

# Education

<u>Name</u>	<u>Year</u>	<u>Duration</u>
Bachelor student in computer science at the Copenhagen University	1992-96	4 years

## Courses and certifications

<u>Name</u>	<u>Year</u>	<u>Duration</u>
<b>Data science courses at DataCamp:</b>	2019	4 days
- Introduction to Python		
- Intermediate Python for Data science		
- Advanced NLP with SpaCy		
- Introduction to TensorFlow in Python		
<b>CMS and Native App development courses at Udemy:</b>		
- OK, Umbraco developer course	2022	3 days
- The Complete React Native Expo and Hooks course 2019 edition	2019	5 days
<b>Non-profit projects and Code challenges:</b>		
- Backend API code challenge: NodeJS, Apollo, GraphQL	2019	
- Oligo Academy: Python tray icon managing OpenSimulator in local Docker	2018	
- Virtual world web viewer: NodeJS proxy talking to C# OpenSimulator addins displaying a React, ThreeJS based web viewer	2018	
<b>SiteCore certifications</b>		
SiteCore 7 certified .NET developer	2014	3 days
SiteCore 6.5 certified .NET developer	2012	3 days
SiteCore 5.3 CMS certified developer level 1+2	2008	3 days
	2005	3 days
<b>Documentum, Java and Oracle courses</b>		
Documentum Developer Conference	2001	5 days
Documentum Quick Start Partner Training	2001	14 days
Documentum Web Development Kit	2001	3 days
Java Programming Language at Sun in Denmark	2001	5 days
Oracle Database 10g: Develop PL/SQL program units		