

# Senior full stack Developer, Solution architect and Technical project manager



## Profile

Senior full stack developer, Solution architect and Technical project and product manager, working with R&D software innovation processes. Experience managing outsourced teams in many different countries, working with team efficiency based on pragmatic Scrum approach. Experience from scaled agile projects with hundreds of people involved. I am used to working with confidential information and have been security cleared several times.

## Knowledge

I have been programming more than 20 different programming, script and database languages the last 35 years. My recent programming skills include NodeJS, JavaScript, Python, C#, Java, React for progressive web apps (PWA) and some courses in React-Native Expo.

I have worked mostly with REST API architecture, but I know some GraphQL.

I have specialist knowledge from leading CMS and DMS systems like Sitecore, Documentum and Public 360, where I as product manager had to know Danish law on personal data and record management (ESDH).

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

## Nikolaj Lisberg Hansen

Born 1973 and started programming early in 1984. Got first programming job in 1995 and started working as freelance solution architect and technical project manager in 2006. I practice Tai Chi, love music and like to travel the world.

## Languages

Very good Danish, English and German.

## Availability

15-25 hours per week normally remote or near Copenhagen. Flexible salary that normally is between 74€ / hour for remote developer to 120€ / hour for on-site solution architect or technical project manager roles (~ 550 to 895 DKK)

## Contact

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# Skills

Category	Subject	Skill level	Years	Last used
Mobile and web development skills				
Work area	Web development	Expert	19	2020
Languages	JavaScript	Expert	19	2020
Languages	NodeJS	Skilled	4	2020
Work area	React and Material UI for Progressive web apps (PWA)	Skilled	3	2020
Work area	React Native	Skilled		2019
Work area	Apollo and GraphQL	Skilled		2019
Work area	REST API architecture and RAML	Skilled	3	2019
Project and Product management skills				
Work area	Technical project management	Very skilled	17	2018
Work area	Solution and product architecture	Very skilled	18	2020
Work area	Requirement specification	Very skilled	17	2018
Work area	Programming	Expert	25	2020
Work area	Scrum and scaled agile processes	Very skilled	10	2018
Enterprise search and Data science skills				
Languages	Python and NLP	Skilled	2	2020
Languages	Java	Very skilled	14	2015
Work area	Solr search engine	Skilled	3	2020
Development tools	NetBeans Java IDE	Skilled	2	2018
Development tools	Eclipse Java and PHP IDE	Very skilled	8	2014
Languages	jQuery	Skilled	5	2015
Languages	AngularJS	Skilled	3	2017
Enterprise content management skills				
Work area	Record and Document management	Expert	14	2014
Work area	Sitecore 7	Very skilled	5	2014
Work area	Web usability and workflows	Very skilled	10	2017
Languages	C#	Very skilled	15	2020
Development tools	Microsoft Visual Studio IDE	Very skilled	15	2020
Database and platform skills				
Platform	Docker for Mac and Windows	Skilled	3	2020
Database	Cassandra NoSQL	Skilled	2	2020
Database	MySQL	Very skilled	15	2020
Database	Oracle	Very skilled	10	2018
Database	Microsoft SQL server	Skilled	11	2014
Platform	Linux/UNIX	Skilled	9	2020
Platform	OpenSimulator virtual world simulator	Skilled	6	2020
Development tools	Blender / Blend4Web automation	Skilled	2	2018

# Project experience

**Customer:** Mind4IT part of Visma consulting  
**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:** Olio ApS product development  
**Period:** 2014/03 –  
**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:** Twins Consulting  
**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:** Findwise  
**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:** Addition  
**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:** Secretary of Energy Effective Buildings under the Danish Energy Agency.  
**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:** EK-Pro ApS  
**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:** Olio ApS  
**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:** DRUID  
**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:** Addition  
**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:** Olio Aps  
**Period:** 2008/08 - 2009/03  
**Description:** Portfolio 1.2 product development of course administration and education management system based on record and document management.  
**Description:** 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:** Scanjour  
**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:** GORM LARSEN & PARTNERS  
**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:** Copenhagen Business School Learning Lab  
**Period:** 2007/02 - 2007/08  
**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

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

**Customer:** Scanmaps  
**Period:** 2006/04 - 2006/07  
**Description:** Java and PHP developer.  
  
Developing web shop in PHP, based on data from Navision and a MySQL database.  
  
Graphical image manipulation in Adobe Photoshop  
**Technologies:** PHP, Java, JavaScript, FreeBSD  
**My role:** PHP and Java developer.

**Customer:** Scanjour A/S  
**Period:** 2004/05 - 2006/04  
**Description:** Web and database developer in Scanjour's R&D working mostly with web based user interfaces for the product Captia.  
  
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.  
**Technologies:** JavaScript, HTML, CSS, XML, XSLT, C# and Oracle PL/SQL  
**My role:** Web and database developer

**Customer:** **Software Innovation A/S**  
**Period:** 2003/05 - 2004/04  
**Description:** 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.  
  
Requirement specification and negotiation in relation to the FESD project, which was the largest IT contract in the history of Denmark.  
  
System architect and developer of render server for growBusiness in C# based on web service interface to Neevia Document Converter and Abbyy Fine Reader (OCR). The render server and convert any document format to PDF, TIF and text.  
**Technologies:** C#, XML, XSLT, HTML, JavaScript  
**My role:** Product manager and system architect and lead developer

**Customer:** **Software Innovation DocuLive A/S**  
**Period:** 2002/06 - 2003/04  
**Description:** Program development and integration of DocuLive in QBE-Vision, Visual Basic and VBA. Developing integration to other systems in Java and stored procedures.  
  
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.  
  
Developing DocuLive integration to Navision with Oracle Java stored procedures talking to MS SQL server database via Oracle Heterogenius Services.  
  
Developing DocuLive full text search integration to OracleText. Wrapping OracleText to secure processing and error handling to gain better quality of service.  
**Technologies:** Java, DocuLive, QBE-Vision, Visual Basic, VBA  
**My role:** Developer with project responsibility

**Customer:** **TietoEnator**  
**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.  
  
Java, JSP, JavaScript, docbasic, WebQL, Visual Basic, DQL, SQL, HTML, XML and XSL.  
**Technologies:**  
**My role:** Documentum consultant and web solution architect/developer

**Customer:** Siemens Business Services  
**Period:** 1999/01 - 2001/01  
**Description:** Developing integration to DocuLive in QBE-Vision, Visual Basic.  
  
Installation and configuration of Oracle databases and some MS SQL-server databases. Developing SQL scripts. Estimating development tasks.  
  
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.  
**Technologies:** DocuLive, QBE-Vision, Visual Basic, VBA  
**My role:** Consultant and developer

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

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



# Education

Name	Year	Duration
Bachelor student in computer science at the Copenhagen University	1992-1996	4 years

# Courses and certifications

Name	Year	Duration
DataCamp data science courses: - Introduction to Python - Intermediate Python for Data science - Advanced NLP with SpaCy - Introduction to TensorFlow in Python	2019	4 days
Udemy programming courses: - The Complete React Native Expo and Hooks course 2019 edition	2019	5 days
Non-profit projects and Code challenges: - 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	
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
Oracle Database 10g: Develop PL/SQL program units	2005	3 days
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