

## Contact

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(Other)

## Top Skills

### Identity

Cybersikkerhet  
Google Analytics

## Languages

Norwegian (Native or Bilingual)  
English (Full Professional)  
Germanic languages (Limited Working)

## Publications

Utilizing 5G Mobile Connection as a Node in Layer 1 Proof of Authority Blockchain Used for Microtransaction

Utilise 5G Mobile Handset as DAO and Node in Layer 1 Proof of Authority Blockchain

## Patents

APPARATUS, SYSTEMS, AND METHODS FOR AUTHORIZATION OF ELECTRONIC TRANSACTIONS BASED ON SECURED ZONES

Procédé, système et appareil de localisation de dispositif à chercher et trouver

Seek and find location method, system and apparatus

Apparatus, systems and methods for programmable sim card using over the air communicated information

Frode van der Laak write the Patent for: Apparatus, systems and methods for programmable sim card using over the air communicated information

# Frode van der Laak

Decentralised Science | PostDoc  
Oslo, Oslo, Norway

## Summary

As education I have a MSc from University of Oxford and a PhD from King's College London.

As a top performing Entrepreneurial and driven Tech Executive, within the high-tech industry with over 25 years of experience specialising in the development, launch, and management of cutting-edge solutions where also Patent is written by me.

I excel at managing and motivating cross-functional teams to achieve product deliverables under aggressive deadlines by fostering a strong culture of innovation, collaboration and high performance.

I have a proven track record of delivering new strategies and products that generate revenue increases and positively impact ROI.

My signature strengths and career highlights include facilitator and builder of world-class technology and product development teams, with a speciality in both start-up and scaled growth stages.

My strongest is global P2P, project management and project delivery within Financial and Telecommunications.

Really good knowledge in: MVNO, MVNE, M2M business and IoT, and have built embedded project for 2G, 3G, 4G and simulation of 5G networks, special focus P2P and OTA

14 of my project is also State of the Art with new patents.

A few of my patents can also mention:

<http://patents.justia.com/inventor/frode-van-der-laak>

APPARATUS, SYSTEMS AND METHODS FOR PROGRAMMABLE SIM CARD USING OVER THE AIR COMMUNICATED INFORMATION

Publication number: 20150189578

Type: Application

Filed: September 12, 2014

Inventor: Frode J. v d Laak

Seek and find location method, system and apparatus

Patent number: 9451407

Type: Grant

Filed: June 23, 2015

Date of Patent: September 20, 2016

Inventors: Frode van der Laak

Mobile, PC, and web enhanced telecommunications environment

Patent number: 8520823.

Type: Grant

Filed: June 30, 2009

Date of Patent: August 27, 2013

Inventors: Frode van der Laak

#Agile, Scrum. Waterfall and Kanban

#Patents

#Research and Development

#Business Strategy

#Software Development

#Company Management

#P2P service and system inclusive integration of SIM and over the air technologies.

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## Experience

Norges teknisk-naturvitenskapelige universitet (NTNU)

Research Fellow

May 2024 - Present (3 months)

Gjøvik, Innlandet, Norge

Norwegian Center for Cybersecurity in Critical Sectors (NORCICS)

<https://www.ntnu.edu/norcics>

Dept. of Information Security and Communication Technology.

Norwegian University of Science and Technology – NTNU.

## Reltime

3 years 7 months

Decentralised Science Initiative (Layer 1 PoA - Identity - AI - Medicine - Robotics)

March 2024 - Present (5 months)

Oslo, Norge

Reltime Decentralised Science Initiative is a non profit and grant initiative, check out [www.reltime.com/desci](http://www.reltime.com/desci)

Co Founder - AI - Layer 1 - Web3 - Over 260 API - Inventor

January 2021 - May 2024 (3 years 5 months)

Oslo, Norway

CTO and Inventor of PoA layer1 and financial ecosystem

January 2021 - January 2023 (2 years 1 month)

Oslo, Oslo, Norge

In Reltime I am responsible for:

1. Develops its own Reltime PoA (Proof of Authority) protocol and Layer 1 blockchain which is an algorithm used on blockchain that delivers comparatively fast transactions through a consensus mechanism based on identity
2. Reltime Web3 ecosystem, a global Financial Ecosystem is providing instant financial service controlled by the end-users without any middleman. And with P2P and M2P-lending, borrowing, free remittance, and joint-account service supported by industry leaders worldwide.
3. Reltime Ecosystem will be one of the first platforms where the end-users earn on banking services where they can set the interest for their Lending vs traditional banks where the banks always control it.

## Bærum Municipality

Lay Assessor - Judge (Meddommer)

June 2020 - Present (4 years 2 months)

Bærum

A co-judge is a person without legal education who participates in the processing of a court case on an equal footing with the court's own judges (specialist judges). To become a co-judge you need no criminal record.

## Reltime Technology

CEO - Responsible Research and Development for Reltime

July 2009 - April 2024 (14 years 10 months)

Oslo, Oslo, Norge

As an inventor and architect of several projects in financial, telecommunication and all related to distributed ledger technology I have been lucky to build amazing state-of-the-art technologies from idea to final product and solutions. Projects have been in Europa, North America, China and India. I have also been developing project from Agile, Scrum, Kanban to Waterfall

## Conax Technology AS

7 years 3 months

Co-Founder

August 2018 - April 2021 (2 years 9 months)

Oslo Area, Norway

Inventor of the Banking System

Inventor for all unique technology in Vopy - filled all patents and unique IPR (Highlighted project)

February 2014 - August 2018 (4 years 7 months)

Stockholm, Stockholm County, Sweden

Responsible for all 6 buildings blocks and DLT technology in Vopy, building for clients of Vopy technology in the mobility sector.

## CEVT (China Euro Vehicle Technology AB)

Inventor of the Advance Display KeyFob for Lynk & Co, Contract

September 2016 - April 2018 (1 year 8 months)

Gothenburg, Västra Götaland County, Sweden

i was responsible to develop the Advanced Display KeyFob for Lynk & Co with all technical integration to the Vehicle with success. it include, new custom made screen, embedded SIM, connectivity, RFLF, wireless charging, IP68 based. this also include testing toward the car.

I integrate the core backend, OTA (Over The Air based) application and eSIM integrations where the client support several SIM profile to be added to the eSIM. The solution was total waterproof

I was also responsible and develop a new PEPS based arm tag with electronic, this project was accepted developed in only 1,5 month with success.

I communicate to Chinese, English and Swedish stakeholders. in China and Sweden.

### YaaZZ AS

Inventor of the Technology, Research and Development

June 2006 - February 2008 (1 year 9 months)

Oslo Area, Norway

Responsible for the Research and Development and granted patent for the first Conference IP system in the world.

Patent: <http://www.faqs.org/patents/app/20110002452> Mobile, pc, and web enhanced telecommunications environment Singapore Patent 2010097053

New team took over in February 2008.

### IP24 AS

Inventor and Responsible R&D

April 2005 - January 2006 (10 months)

IP operator, Owner, Core Network and IP infrastructure, Billing.

Sold

### IPtele AS

Founder/CEO

2001 - 2005 (4 years)

Lysaker, Norway

IP operator. broadband telephone, sold to one Investor Group in Norway.

Sold

### Site Communication AS

Founder/CEO and President Business Development

January 1999 - November 2001 (2 years 11 months)

Oslo Area, Norway

Founder and CEO. Site Communication ASA is one of the newest telecom companies focusing on niche organization in the Nordic Country (Norway, Sweden and Denmark). Manager for 25 people, sold in 2001 to Sense, now TDC.

Sold in 2001 for 120 MNOK.

HiQ

Management Consultant

1998 - 2001 (3 years)

Consultant. Project in HiQ AS:

Tree AB, Core Network

UMTS net for HI3G in Sweden, A 3G joint venture between Hutchison Whampoa and Investor AB.

Project Manager for Core Network (Switching and Routing (Design, Interface, IP Network, Network Node, Management (DCN and O&M), MGW, SGSN, GGSN, WAP-GW, SMSC and UM).

Tree AB, Transmission

Project Manager for Transmission/Utran (Design, Management (NetMan, DCN (Outband/Inband, O&M), NodeB, RNC, FlexiHopper, Minilink, SDH/STM, and more.

Tree AB, Due Diligence, RFQ

Responsible for Due Diligence for investigate the 3 vendors Ericsson, Nokia And Siemens.

TGIS AB, Responsible for RFQ for the common network with Europolitan and Orange.

RFQ for Core Network (Switching and Routing, QoS, Security and Database, Mediation, Billing and Operation & Management). DCN Solution for Transmission and Core Network.

Analyst for develop telecommunications services for Formus Communications

Project Planer. Alcatel Telecommunication

Worked as Project Planer for Alcatel with the responsibility for Alcatel IN (Intelligent Network)

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## Education

University of Oxford

MSc, Software and System Security · (2012 - 2015)

King's College London

Doctor of Philosophy (PhD), Telecommunication Engineering · (January 2019 - November 2023)

King's College London

Master of Philosophy - MPhil, Faculty Of Natural and Mathematical Science · (2017 - 2019)

University of Portsmouth

DSyRM, PhD · (2015 - 2016)

University of Sunderland

Postgraduate Diploma, MSc, Information Technology Management · (2001 - 2003)