

Janne Alatalo

Senior Specialist | Jamk University of Applied Sciences

I work with AI, data analytics, and software development.

Career at Jamk

Institute of Information Technology

Senior Specialist

Sep 2025 - Present

Specialist

Nov 2017 - Aug 2025

Project Engineer

Feb 2014 - Oct 2017

Research and development in AI, data analytics, and software development.

Selected research publications

Alatalo, J., Heilimo, E., Rantonen, M., Väänänen, O., & Sipola, T. (2025).

Reducing emissions using artificial intelligence in the energy sector: A scoping review. *Applied Sciences*, 15(2), Article 999.

<https://doi.org/10.3390/app15020999>

Alatalo, J., Sipola, T., & Rantonen, M. (2023). Improved difference images for change detection classifiers in SAR imagery using deep learning. *IEEE Transactions on Geoscience and Remote Sensing*, 61, 1-14.

<https://doi.org/10.1109/tgrs.2023.3324994>

Alatalo, J., Sipola, T., & Kokkonen, T. (2024). Food supply chain cyber threats: A scoping review. In A. Rocha, H. Adeli, G. Dzemyda, F. Moreira, & V. Colla (Eds.), *Information systems and technologies* (Vol. 801, pp. 94-104). Springer.

https://doi.org/10.1007/978-3-031-45648-0_10

[Complete research publication list](#)

Scholarly editorial work

Co-editor | Peer-reviewed book

Sipola, T., Alatalo, J., Wolfmayr, M., & Kokkonen, T. (Eds.). (2024). *Artificial intelligence for security: Enhancing protection in a changing world*. Springer.

<https://doi.org/10.1007/978-3-031-57452-8>

Contact

Jyväskylä, Finland

contact@janne-alatalo.fi

janne-alatalo.fi

[LinkedIn profile](#)

ORCID

0000-0001-5515-4419

Education

Master of Engineering

Information Technology, Full Stack Software Development

Jamk University of Applied Sciences

Graduated 23 May 2023

60 ECTS credits

Bachelor of Engineering

Software Engineering

Jamk University of Applied Sciences

Graduated 26 Sep 2014

240 ECTS credits

Janne Alatalo

Projects at Jamk

Project periods; roles held in each project.

AI-Boost (AI-Loikka)

1 Sep 2025 - 31 Aug 2027

Project Manager, AI and Data Specialist

DataBoost - Data to boost business in manufacturing industry (VauhtiData)

1 Oct 2023 - 30 Sep 2025

AI and Data Specialist

Resilience of Modern Value Chains in a Sustainable Energy System (KEMAR)

1 Sep 2023 - 30 Jun 2026

AI and Data Specialist

Data for Utilisation - Leveraging digitalisation through modern artificial intelligence solutions and cybersecurity (Tieto tuottamaan)

1 Apr 2021 - 31 Mar 2023

AI and Data Specialist

MATINE - Applying artificial intelligence for anomaly based network intrusion detection system, phase 2

Feb 2019 - Dec 2019

AI and Data Specialist

New expertise and business opportunities through data analytics

1 Apr 2018 - 31 Dec 2020

AI and Data Specialist

MATINE - Applying AI for anomaly based network intrusion detection system, phase 1

Jan 2018 - Nov 2018

AI and Data Specialist

RDI2CluB - Rural RDI milieus in transition towards smart Bioeconomy Clusters and Innovation Ecosystems

12 Jun 2017 - 31 Dec 2020

Software Specialist

FINCSC PLUS

Feb 2017 - Aug 2018

Software Specialist

Cyber Trust

1 May 2015 - 31 Aug 2017

Software Specialist

N4S@JAMK - Need for Speed at JAMK

1 Jan 2014 - 31 May 2017

Software Specialist

Earlier experience

Project Worker

SkyNest Project

May 2013 - Jun 2013

Worked in a test automation team developing the FreeNest Test Service (FTNS) tool.

Trainee

SkyNest Project

May 2012 - Jul 2012

Worked in a maintenance team implementing automated Debian packaging for the FreeNest project platform and maintaining its background systems.

Professional editing

Editor | 2026

Datan hyödyntäminen energia-alalla

Jyväskylän ammattikorkeakoulu

Co-editor | 2025

Data-analytiikan hyödyntäminen valmistavan teollisuuden yrityksissä

Jyväskylän ammattikorkeakoulu

Languages

Finnish

Native

English

Written and spoken

Other writings

Articles on my website