Mohammad Emad Hammami
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Nationality: Norwegian

[View Full Portfolio]

Professional Summary

Experienced Software Engineer & Scrum Master with 4+ years of expertise in digital transformation, agile methodologies, software architecture, and AI-driven research. Demonstrated leadership in designing scalable systems, guiding agile adoption, and conducting academic research in digital transformation and federated learning. Passionate about innovation, team coaching, and building inclusive, data-driven solutions.

Key Skills	Certificates

Management:

- ❖ Engineering Management
- ❖ IT Management
- ❖ Agile Methodologies (Scrum, Kanban, Lean, SAFe)
- ❖ Project Management (Waterfall, Spotify Model)
- ❖ GDPR Compliance
- ❖ Atlassian Jira and Confluence.

Software Development and Analysis:

- ❖ SDLC
- ❖ CRM (Dynamics 365)
- ❖ Business & Partner Analysis
- ❖ Power BI
- ❖ DevOps
- ❖ Technical Troubleshooting

Security:

- ❖ Information Security
- ❖ Software and Network Security

Data Management and Cloud Computing:

- ❖ Data Science & Engineering (Esper, Data Mesh)
- ❖ Databases (MySQL, Hadoop, MongoDB)
- ❖ Microsoft Azure, Cloud

Google:
- o Agile Project Management
- o Foundations of Project Management
- o Project Initiation: Starting a Successful Project
- o Applying Project Management in the Real-World
- o Project Planning: Putting It All Together

Project Management Institute (PMI) and NASBA:
- o Project Management Certificates in Foundations, Ethics, Requirements, Schedules, Budgets, Teams, Communication, and Risk
- o Managing Project Stakeholders
- o Collaborating with Microsoft 365
- o Managing Projects with Microsoft 365
- o Optimizing Your Work with Microsoft 365
- o Project Management Professional Certificate

People Management:
- o Managing and Leading Developers
- o Coaching Skills for Leaders and Managers
- o Effective Technical Communication
- o Building Trust
- o The Manager's Guide to Difficult Conversations
- o Inclusive Tech: Conducting Humane Code Reviews
- o Agile Software Development: Creating an Agile Culture
- o Succeeding as a First-Time Tech Manager
- o Moving from Developer to Engineering Manager

Work Experience

Software engineer / Scrum master   **DNB Bank /Oslo**
7.2021-present.

- o Designed integration tests for the Sbanken merger using Octane
- o Improved Agile delivery through sprint planning and backlog management
- o Resolved incidents and optimized IT infrastructure via ServiceNow
- o Kept stakeholders informed and aligned with project milestones

Bachelor project / Scrum master   **Telia /Oslo**

08.2020-05.2021

- o Facilitated the development team using Scrum, ensuring project alignment and collaboration.
- o Contributed significantly to development tasks, utilizing Laravel and Onfido to meet project requirements.

Founder and Director   **Femi / Oslo**

03.2021-12.2023

- o Initiated and led a remote development team on a social system project focusing on women's safety and community building.
- o Coordinated cross-functional teams in collaboration with the Norwegian Directorate for Children, Youth, and Family Affairs.

Education

Master's in Digitalization and Management

06.2024 – Present   **University of South-Eastern Norway (USN)**

- o **Focus:** Focused on the intersection of digital transformation and leadership.

Master's in Programming and system architecture

Software Engineering (Management) and Machine learning - Artificial intelligent

07.2021-12.2023 | **Grade: A**   **University of Oslo**

- o **Focus:** Software Engineering and Machine Learning, with a focus on IT team management, strategy development, and architectural analysis.
- o **Master Thesis:** "Federated and Tiny Machine Learning for Edge Computing in Industrial IoT".

Bachelor's in computer science

06.2019-05.2022   **University of Oslo**

Bachelor's in information of technology

06.2018-05.2021 | **Grade: B**   **University of Oslomet**

Bachelor's in IT Engineering

06.2010-06.2012   **University of Kalamoon**

Academic Publications

- o **"Adaptive Mean Absolute Deviation (AdMAD) Pruning in Federated Learning A Hybrid Approach for Efficient Data Transmission and Model Performance"**
  Published in DUO, University of Oslo, 2023 (duo.uio.no | DUO).

- o **"AMBIT: An Efficient Pruning Technique in Federated Learning for Edge Computing Systems"**
  Published in the 8th IEEE International Conference on Fog and Edge Computing (ICFEC), 2024.
  (Mohammad Emad Mohammad Hammami (researchgate.net)).

Research Projects

o **DNB's Digital Transformation Journey: Advancing Towards Digital Competitiveness**
University of Oslo, 2023

Conducted in-depth research on DNB's digital transformation strategies, focusing on the implementation of new technologies and organizational restructuring to enhance digital competitiveness.

o **Factors Influencing Digital Strategy at DNB**
University of Oslo, 2023

Co-authored a study analyzing the key factors that influence digital strategy development and implementation at DNB. The research provided insights into strategic planning, change management, and digital innovation within the banking sector.

o **Software Process Improvement (SPI) Plan**
University of Oslo, 2023

Developed a comprehensive SPI plan for DNB, emphasizing Agile methodologies, process optimization, and the integration of modern software development practices to enhance efficiency and product quality.

o **Handbook of Scrum Methodology**
DNB Bank, 2021

Authored a detailed handbook on Scrum methodology, outlining best practices, common challenges, and strategies for effective implementation in software development projects.

Volunteer work

o **Ambassador**
04.2022- 05.2023   **Nobel Peace Center / Oslo**

Represented the center at the University of Oslo, linking professors and students, showcasing networking and coordination skills.

o **IT Manager**
07.2017- 01.2022   **UN-Students / Oslo**

Managed the website, member registration, and sponsor interactions, reflecting technical and organizational capabilities.

o **Social worker/ team leader**
11.2013-05.2015   **DRC, UN / Lebanon**

Worked as Team leader in protection of women and children, showing leadership in sensitive social initiatives.