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Mohammad Emad Hammami

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Nationality: Norwegian

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

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

Certificates

Google:

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

Project Management Institute (PMI) and NASBA:

- Project Management Certificates in Foundations, Ethics, Requirements, Schedules, Budgets, Teams, Communication, and Risk.
- Managing Project Stakeholders.
- Collaborating with Microsoft 365.
- Managing Projects with Microsoft 365.
- Optimizing Your Work with Microsoft 365.
- Project Management Professional Certificate.

People Management:

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

Work Experience

Software engineer / Scrum master
7.2021-present.

DNB Bank /Oslo

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

Languages	
English:	★ ★ ★ ★ ★
Norwegian:	★ ★ ★ ★ ★
Arabic:	★ ★ ★ ★ ★
Interests	
<p>I have a keen interest in exploring diverse cultures, languages, and customs.</p> <p>Volunteering is a significant part of my free time, reflecting my dedication to community engagement and self-improvement.</p>	
References	
Supplied on request.	

Bachelor project / Scrum master	Telia /Oslo
08.2020-05.2021	
<ul style="list-style-type: none"> Facilitated the development team using Scrum, ensuring project alignment and collaboration. Contributed significantly to development tasks, utilizing Laravel and Onfido to meet project requirements. 	
Founder and Director	Femi / Oslo
03.2021-12.2023	
<ul style="list-style-type: none"> Initiated and led a remote development team on a social system project focusing on women's safety and community building. Coordinated cross-functional teams in collaboration with the Norwegian Directorate for Children, Youth, and Family Affairs. 	
Education	
<p><i>*Note: Multiple degrees were pursued concurrently through parallel study arrangements.</i></p>	
<u>Master's in Digitalization and Management</u>	
06.2024 – Present	University of South-Eastern Norway (USN)
<ul style="list-style-type: none"> Focus: Focused on the intersection of digital transformation and leadership. 	
<u>Master's in Programming and system architecture</u>	
Software Engineering (Management) and Machine learning - Artificial intelligent	
07.2021-12.2023 Grade: A	University of Oslo
<ul style="list-style-type: none"> Focus: Software Engineering and Machine Learning, with a focus on IT team management, strategy development, and architectural analysis. Master Thesis: "Federated and Tiny Machine Learning for Edge Computing in Industrial IoT". 	
<u>Bachelor's in computer science</u>	
06.2019-06.2025 Grade: C	University of Oslo
<u>Bachelor's in information of technology</u>	
06.2018-05.2021 Grade: B	University of Oslomet
<u>Bachelor's in IT Engineering</u>	
06.2010-06.2012	University of Kalamoon

Academic Publications
<ul style="list-style-type: none"> "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). "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

- **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.

- **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.

- **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.

- **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

- **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.

- **IT Manager**

07.2017- 01.2022

UN-Students / Oslo

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

- **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.
