

Teemu Iljin

Software Engineer

✉ teemu.iljin@gmail.com ☎ +358404189817 📍 Helsinki 🌐 LinkedIn 🏠 Github

SUMMARY

Incoming Solutions Engineer at **Microsoft** and CS Master's student specializing in MLOps and scalable AI infrastructure. I have a strong track record of building scalable AI infrastructure and automating enterprise-grade workflows.

Core Competencies:

- **Engineering Excellence:** Expertise in full-stack development and MLOps at Scale AI and Mercor Intelligence.
- **Results-Driven AI:** Achieved 1,000% growth in localization sector and developed automated QA pipelines for reduced data latency.
- **Global Communication:** Fluent in English and Finnish; advanced in Swedish and German.
- **Technical Proficiency:** Python, Java, C#, Django, React, AWS, SQL.

EDUCATION

Bachelor's degree, Computer Science, University of Jyväskylä 08/2023 – 03/2026 | Jyväskylä, Finland
GPA: 4/5 | Credits: 180/180 | Remote

- **Focus:** Software development, AI fundamentals, and full-stack web applications.
- **Coursework:** Algorithms, Databases, Cloud Services (AWS, Azure), Web Development.
- **Key Achievement:** Completed my thesis (The impact of the EU Artificial intelligence act on SMEs: an Ethical Governance Perspective). Completed several team-based software projects using Git, agile practices, and modern development tools

Master's degree, Computer Science, University of Jyväskylä 03/2026 – Present | Jyväskylä, Finland
Credits: 30/120 | Remote

- **Focus:** Advanced Software Engineering, Distributed Systems, and Leadership
- **Coursework:** Advanced Algorithms.
- **Key Achievement:** Transitioning Bachelor-level full-stack expertise into scalable, high-performance systems and research-based development.

WORK EXPERIENCE

Software Expert | Remote, Mercor Intelligence 03/2026 – Present | San Francisco, USA

- Collaborating with AI research labs to enhance reasoning and coding capabilities of frontier LLMs through technical validation.
- Engineering and refining complex coding prompts in multiple languages, including Python, JavaScript, and C++, to ensure robust AI outputs.
- Optimizing Reinforcement Learning from Human Feedback workflows to improve model accuracy in system design, database architecture, and API development.

Data Trainer | Remote, SME Careers 10/2025 – 03/2026 | San Francisco, USA

- Managed the data lifecycle, building high-quality training sets for machine learning models by applying software engineering principles.
- Developed an automated QA pipeline for real-time error detection and restructured SQL databases, significantly reducing data retrieval latency for the engineering team.

- Engineered custom scripts to synchronize training data across multi-cloud environments, ensuring high availability for distributed ML teams.
- Freelance Software Developer, *Outlier***

07/2025 – 10/2025 | Helsinki, Finland
- Evaluated and ranked AI-generated code for accuracy, security, and performance using Reinforcement Learning from Human Feedback (RLHF).
 - Designed complex, multi-turn coding prompts in languages such as Python, JavaScript, and C++ to test the reasoning limits of advanced AI models.
 - Developed high-quality 'Golden Responses' to serve as the ground truth for model alignment and fine-tuning.
- Software Engineer | Remote, *Scale AI***

11/2024 – 05/2025 | San Francisco, USA
- Developed and maintained AI-based applications within an international agile team, contributing to the deployment of features utilized by thousands of global users.
 - Led the creation and scaling of the Finnish localization sector, increasing active users from 5 to 100 and boosting regional platform adoption by over 1,000% within seven months.
 - Conducted comprehensive data annotation and code reviews, ensuring 95% dataset accuracy and streamlining workflows to reduce error rates significantly, enhancing AI model performance and reliability.

Projects	
Workflow automation, Founder & Lead Developer • Architected a multi-tenant SaaS platform using Spring Boot 3.2 and React 18, featuring a visual nodebased workflow designer. • Secured the API with JWT stateless authentication, rate limiting (60 req/min), and automated OWASP dependency scanning to mitigate vulnerabilities. • Designed and deployed a containerized environment using Docker and Kubernetes manifests, managed via a CI/CD pipeline in GitHub Actions. • Developed a high-performance conditional logic editor supporting complex boolean expressions and dynamic data binding for real-time workflow execution. • Built a multi-channel notification system (WebSockets, Email, SMS) and RESTful integration endpoints for Slack and Google Workspace.	04/2025
BrainBanks, Founder & Lead Developer • Engineered a gamified STEM learning platform using Django 5 and PostgreSQL, achieving a p95 response time of < 1.0s. • Developed a custom gamification engine supporting daily streaks, a virtual currency shop, and point multipliers to increase user retention. • Architected a RESTful API using Django REST Framework (DRF) to support multi-client architecture (Web/Mobile). • Implemented a cached global leaderboard and structured logging to ensure high performance and reliability for up to 1,000 concurrent users.	01/2025

SKILLS

AI & Machine Learning

Large Language Models, Generative AI, NLP, Deep Learning, MLOps, Data Annotation, Anthropic Claude

Back-End & Databases

Python, Java, Ruby, C++, C#, Django, SQL, SQLite, JSON, Databases

Engineering Practices

Software Design, Unit Testing, Collaboration, Code Review, Debugging, Quality Assurance, SaaS & PaaS Architecture

Cloud & DevOps

AWS (SageMaker, Lambda, CloudFormation, IAM, IoT), Microsoft Azure ML, Azure Data Lake, System Deployment, GitHub

Front-End & Mobile

TypeScript, JavaScript, React.js, React Native, HTML, CSS, Web Design

CERTIFICATIONS

AI Fluency: Framework & Foundations, Anthropic

2026

Machine Learning with Python, free CodeCamp

2025

Machine learning operations for gen AI, Google Cloud Skills

2026

Introduction to AI in Azure, Microsoft Learning

2025

Amazon Web Services Cloud Practitioner, Amazon Web Services

2026