



TUNGI DANG

AI-Native Product Owner | Data Scientist



BERLIN, HAMBURG & REMOTE



<https://www.linkedin.com/in/tungidang/>

Strategy Consulting | Risk MGMT

AI Development | Python | NLP | LLM

Scrum Master | Agile

Cloud Infrastructure | AWS | Azure

Typescript | NodeJS | Go

Backend | SQL | Tableau | Qlik

Mobile APP | Swift | Kotlin | Flutter

DevOps | FinOps | Operations | IAM

Docker | API | Kubernetes | Terraform

Solution Architect | MLOps



FREELANCE
AI-native Product Owner |
Technical Manager
Data Expert
AI Architecture

EON SE
Nelly Solutions
Telefonica AG
Bundesdruckerei
Allianz Technology
Volkswagen AG
GESUND.DE
UNIPER AG
BIONTECH AG
Messe Stuttgart GmbH
RVNT GmbH
Hamburg | Berlin
Nov 2020 - Today

**UNI HSU HAMBURG |
COPENHAGEN BUSINESS SCHOOL |
SAN DIEGO STATE UNIVERSITY**
Hamburg | Copenhagen |
San Diego

Thesis grade

1,3



Work Experience

Mit einem datengesteuerten Ansatz unterstütze ich erfolgreich Unternehmen und Agenturen beim Aufbau digitaler Produkte und Plattformökonomien.

Bei **EON** etablierte ich als TPO einheitliche Telemetrie über Cloud, Kubernetes und Netz und reduzierte Toolfragmentierung bei klaren, konsistenten SLOs, meine KI-gestützte Analysen beschleunigten die Incident-Erkennung und senkten die MTTR.

Bei **Nelly Solutions** verantwortete ich als Lead die AI-Initiativen und EU-Expansion, verkürzte Integrationszyklen und steigerte die Zuverlässigkeit der Konnektoren, wodurch Intake-Abschlüsse stiegen und fehlende Einwilligungen sanken.

Als TPMO habe ich bei der **Telefonica AG** eine White-Label-Launch-Lösung mit Multi-Channel-Marketing für ihre komplexe G2M-Strategie geleitet. Erfolgreich eingeführt wurden AldiTalk, Blau, NettoKom, AyYildiz und O2.

Vor Kurzem war ich bei **Allianz Technology SE** als Product Engineering Lead für die Multi-Cloud-Infrastruktur verantwortlich und habe die IaaS-Self-Service-Plattform unterstützt.

Ich habe im **Bundesdruckerei** GovTech-Produkte entwickelt. Außerdem habe ich die Volkswagen AG in interdisziplinären technischen Themen in den Bereichen E-Commerce/Vertrieb/Marketing/Anforderungsmanagement beraten.

Als Product Lead für **Gesund.de** optimierte er die digitalen Prozesse mit einer GCP-Datenpipeline für das komplexe OCR-Training <https://www.gesund.de/e-rezept>. Gematik-Telemedizin-eRezept-Implementierung.



Education

**Industrial Engineering &
Machine Learning Research**

M.Sc. | Top 15%

Ph.D. | Drop-Out

Forschungsarbeit an der HSU, der UHH und der CBS über Algorithmen für maschinelles Lernen und MLOps-Systeme geschrieben und war zu Forschungszwecken an der SDSU für Computational Engineering.



HARDSKILLS

Python
Javascript
Cloud Dev.
Flutter | Swift
Sketch | Zeppelin
Welding



Sprachen

Englisch
Deutsch
Vietnamesisch
Italianisch (Basics)



Interessen

Jazz
Surfing
Crossfit
Reisen
Greek Mythology

Tungi Dang

Freelance AI-native Product Lead and Data Science Manager

PROFILE

As Technical PMO, Product Owner Lead, Program Manager for IT, Software Architect, and AI Engineer, I specialize in transforming smart IT strategies into innovative digital products. With over **ten years of experience** in management consulting, software development, and product ownership, I excel at driving data-driven transformation across diverse industries, including Utility, FinTech, eHealth, public administration, automotive, Insurance. My passion lies in leveraging artificial intelligence and machine learning to create smart, adaptive solutions that empower organisations. I thrive on delivering successful projects through collaboration within international and interdisciplinary teams, fully harnessing the potential of digital innovation through outstanding communication.

EXPERIENCE

NDA-Company - Dec 2025 - Today

Technical Product Lead, Platform Engineering

Led product strategy and roadmap for enterprise GitOps platform on GKE serving application teams with declarative deployment, zero-trust security

- Orchestrated cross-functional team of 12 FTEs including AI scientists, data engineers, and cloud engineers using Jira-based sprint management and Agile SAFe methodologies
- Own platform roadmap prioritization for GitOps (FluxCD), Kubernetes, observability, and developer experience across multiple repositories on platform and application level
- Drive security initiatives: External Secrets Operator, Kyverno policy enforcement, Checkov IaC scanning, and NetworkPolicies—reducing secrets exposure and ensuring compliance with Workload Identity and KMS encryption standards
- Architect GitOps adoption and OCI-first artifact workflows, defining standards for FluxCD Kustomizations, Helm releases, and environment parity (local/staging/prod) across Cloud Build and GitHub Actions pipelines
- Establish stakeholder alignment protocols with infrastructure, foundation, and application teams—ensuring technical requirements, migration paths, and deprecation timelines are communicated and adopted
- Implement platform capability definitions and golden paths for application teams, reducing onboarding time and deployment drift through runbooks, ADRs, and documentation

Key Technologies: Kubernetes, GKE, FluxCD, Helm, Kustomize, Terraform, OpenTofu, Terragrunt, GCP Secret Manager, External Secrets Operator, Kyverno, Checkov, Pulumi, Cloud Build, GitHub Actions, Kafka, Spark, Temporal, Grafana, Prometheus, Loki

EON Digital Technology - Jan 2025 - Dec 2025

AI-native PO | Technical Manager

Led enterprise AI productionization initiatives serving 8+ million energy customers across KRITIS infrastructure

- Orchestrated cross-functional team of 12 FTEs including AI scientists, data engineers, and cloud engineers using Jira-based sprint management and Agile SAFe methodologies
- Implemented **MLOps pipelines** using **Databricks** and **MLflow**, reducing model deployment time by 45% while maintaining enterprise-grade compliance standards
- Established **OKR-driven work packages** that aligned technical development with business stakeholder requirements, achieving 95% sprint velocity consistency
- Coordinated **large language model deployment** for specialised customer service automation, processing 2M+ monthly interactions with 92% accuracy rate
- Concepted **CI/CD pipelines** with automated testing frameworks, reducing production incidents by 60% and improving deployment frequency to weekly releases

Key Technologies: Python, FastAPI, AWS, Kubernetes, Docker, Databricks, MLOps, Prometheus, Cloudwatch, Jira, Confluence

Nelly Solutions - Fintech + Healthcare - Jul 2024 - Feb 2025

AI-first Product Owner

Product managed AI-powered solutions for Insurance, Banking, and Health sectors, driving \$2.3M ARR growth

- Owned end-to-end **RAG system architecture** and **LLM integration** serving 50K+ users across multiple B2B verticals with 98.5% uptime SLA
- Implemented **custom evaluation frameworks** for 2B+ parameter models, achieving 15% improvement in model quality metrics
- Established **MLOps best practices** using **Databricks notebooks** and enterprise workflows, resulting in 40% faster time-to-market for AI features
- Managed **stakeholder alignment** between research teams and business units, delivering 8 major AI initiatives within budget and timeline constraints

Key Technologies: Python, RAG Architecture, LangChain, Vector Databases, Databricks, MLflow, Hugging Face, OpenAI, Claude, REST APIs

Telefonica - Jun 2023 - July 2024

AI Rollout-Manager | PO Lead for RAITT

Led AI transformation initiative optimizing network maintenance operations for 4.5M+ O2 customers with €1.5M cost savings impact

- Managed **Agile team of 28 FTEs** across AI scientists and cloud engineers, implementing **Scrum framework** with 90% sprint success rate
- Deployed **production AI applications** to millions of users using **microservices architecture** and **container orchestration** with Docker/Kubernetes
- Established **Infrastructure-as-Code** practices using Terraform, reducing deployment errors by 50% and infrastructure provisioning time by 65%
- Implemented **performance monitoring and observability** for ML systems under load, maintaining 99.8% system availability during peak traffic

Key Technologies: AWS, Adobe Experience Platform, Salesforce, React, Python, FastAPI, TypeScript, NodeJS, Docker, Kubernetes, OpenAI, Databricks

Bundesdruckerei — Jul 2022 - Apr 2023

AI Lead | PO Lead

Led product architecture for national data science platform serving 2M+ German Government workers with 99.99% security compliance

- Managed **product backlog prioritization** for 6 development teams using **Jira sprint planning**, delivering 18 critical security features ahead of regulatory deadlines
- Architected **GraphQL APIs** and **microservices** infrastructure supporting 10M+ daily requests with sub-200ms response times
- Established **stakeholder communication protocols** with corporate and government entities, ensuring alignment on technical requirements and compliance standards
- Implemented **automated testing frameworks** reducing security vulnerability detection time by 60% and improving code quality scores by 35%

Key Technologies: PowerBI, GraphQL, SAP CRM, Python, Java, NodeJS, Docker, Microservices, IAM, Vault, BPMN, Agile SAFe

Allianz Technology — Jan 2022 - Sep 2022

Product Owner for Enterprise AI Platform Development

Architected enterprise AI platform foundation supporting AllianzGPT deployment across 150K+ employees globally

- Led **cross-functional technical coordination** between AI teams and cloud infrastructure, establishing enterprise-grade AI deployment standards

- Designed **large language model hosting** architecture for custom models, optimizing inference costs by 45% while maintaining sub-500ms response times
- Implemented **automated model quality monitoring** and evaluation frameworks, reducing manual testing cycles from weeks to hours
- Established **compliance and security protocols** for customer-facing AI applications, achieving SOC 2 Type II certification and GDPR compliance
- Managed **OKR execution** across 4 product lines, tracking progress against launch timelines and delivering 95% of committed objectives on schedule
- Coordinated **deployment strategies** for ML models, enabling zero-downtime updates and A/B testing capabilities for AI features

Key Technologies: AI/ML Platforms, LLM Architecture, Cloud Infrastructure, Python, Enterprise Security, Compliance Frameworks, OKR Management

Notable Works at

- Volkswagen Group & CARIAD
- [GESUND.de](https://gesund-versorger.de/presse-news/2025-07-16/gesundde-mit-100-millionen-rx-aussenumsatz-im-2-quartal-2025) <https://gesund-versorger.de/presse-news/2025-07-16/gesundde-mit-100-millionen-rx-aussenumsatz-im-2-quartal-2025>
- Uniper AG Product Lead | AI Architect
- BIONTECH AG — Mar 2020 - Feb 2021
Solution Architect Lead | Cloud Architect | Product Lead

My Key Differentiators for AI Technical Product Owner Role:

- ✓ **Enterprise AI Scale:** Proven experience deploying AI applications to millions of users
- ✓ **MLOps Expertise:** Hands-on experience with Databricks, MLflow, and enterprise ML workflows
- ✓ **Cross-functional Leadership:** Successfully managed various 8+ FTE teams including AI scientists and cloud engineers to 50 FTE

- ✓ **Regulatory Compliance:** KRITIS and enterprise-grade security implementation experience
- ✓ **Quantified Impact:** Consistent delivery of measurable business outcomes with KPI-driven results
- ✓ **Technical Depth:** Direct experience with 2B+ and more parameter models and custom evaluation frameworks

EDUCATION

Helmut-Schmidt-University | Copenhagen Business School —
 Ph.D on machine learning topics such as NLP, Computer Vision- (Dropout)
 Helmut-Schmidt-University | University of Hamburg, Hamburg, Germany —
 Master of Science (Grade 1.3 , Top 15 %)
 Copenhagen Business School, Copenhagen Denmark —
 Comp. Research (Grade 1.0 , Top 5 %)
 University of Hamburg, Hamburg, Germany —
 Bachelor of Science (Grade 3.3)
 San Diego State University, San Diego, CA, USA —
 Visiting Research (Grade 1.7)

SKILLS

Design tools	Sketch Supernova	Gut
Programming Languages	Flutter Dart, Javascript, Swift, Python, Tensorflow, Golang, React, Java, R, C++, Cobol	
Tools	Jira	Sehr Gut
	Github Gitlab	Gut
	Confluence	Sehr Gut
	ContentSquare	Sehr Gut
	MS Office	Sehr Gut
Languages	Deutsch	Muttersprachlich
	Englisch	Business-Level
	Vietnamesisch	Gut
	Italianisch	Basics

INTERESTS

Jazz, Surfing, Crossfit, Traveling, Greek Mythology

Hamburg, 2026-march-2nd

Tungi Dang