



Jady Pamela

AI Engineer Focused on Digital Twins and AI Safety | PhD Fellow, Aarhus University | Elsevier-published

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SUMMARY

AI Engineer Focused on Digital Twins and AI Safety with 12+ years shipping production AI and DevOps in banking, government, and climate tech. PhD Fellow at Aarhus University on digital twins for district cooling, funded by the Grundfos Foundation. Published in Computers and Security (Elsevier) and first place in three AI hackathons.

WORK EXPERIENCE

PhD Fellow, Digital Twins for District Cooling (SWiM), Aarhus University

Aug 2026 to Present, Aarhus, Denmark

- Verifying that district cooling installations run as they were designed, combining Building Information Modelling, AI and digital twins (SWiM, funded by the Grundfos Foundation).

AI Research Engineer, Deep Forestry AB

Dec 2025 to Jun 2026, Uppsala, Sweden

- Enabled real-time autonomous landings below the forest canopy by cutting end-to-end perception latency 29x (5.8s to 200ms) and reaching F1 0.926 on a held-out flight session on NVIDIA Jetson Orin NX.
- Built the hybrid pipeline (RANSAC, PointNet++, DGCNN) and its evaluation harness on real LiDAR flight data.

Founder and CEO, SoiQet (Social IQ Set)

Aug 2025 to Present, Aarhus, Denmark

- Built a multi-tenant AI platform for social media end to end on Azure and Supabase, with in-house RAG, structured outputs, row-level security, and OAuth across six networks.

IT Analyst and DevOps Engineer, Bank of Brasilia (BRB)

Dec 2014 to Present, Brasilia, Brazil

- Delivered a production NLP chatbot (Python, TensorFlow) during a Silicon Valley engagement that cut customer response time 40% for 100K+ users.
- Architected an automated release pipeline from scratch (Jenkins, GitLab, Docker, Kubernetes, OpenShift) that cut deployment time 60% under banking compliance.

IT Manager and Engineering Manager, Bank of Brasilia (BRB)

May 2016 to Jul 2024, Brasilia, Brazil

- Owned a \$1M+ annual IT budget end to end with full P&L responsibility, cutting operating cost 15% and improving audit accuracy 40% in a regulated banking environment.
- Built and led an engineering team of 10+ from scratch, with a Lean IT rollout that reduced operational waste 20%.

Co-founder, Tree++

Oct 2024 to Present, Stockholm, Sweden

- Tree-planting initiative with 1,000+ trees planted across 10 countries.

Cybersecurity Research Engineer, LabRisk (Cybersecurity and Risk Lab, UnB)

Aug 2024 to Present, Brasilia, Brazil

- Co-authored an Elsevier Computers and Security paper (DOI 10.1016/j.cose.2025.104584) extending the CIS Controls for the Brazilian judiciary.

EDUCATION

PhD Fellow, Digital Twins for District Cooling (SWiM), Aarhus University

Aug 2026 to Present, Aarhus, Denmark

MSc Computer and Systems Sciences, Swedish Institute Scholar, Stockholm University

Aug 2024 to May 2026, Stockholm, Sweden

Professional Master's in Electrical Engineering, cybersecurity area (PPEE), University of Brasilia (UnB)

Mar 2024 to May 2026, Brasilia, Brazil

BSc Information Systems, UPIS Faculdades Integradas

2010 to 2013, Brasilia, Brazil

SKILLS

AI and ML: Python, PyTorch, TensorFlow, Hugging Face, RAG, LLM fine-tuning, computer vision, NLP, MLOps.

Cloud, DevOps and Data: Azure, AWS, GCP, Kubernetes, Docker, Terraform, CI/CD, DevSecOps, PySpark, Airflow, SQL.

Security and Leadership: CIS Controls, GDPR, risk management, audit and compliance, team leadership, \$1M+ budgets.

Languages: Portuguese (Native), English (C1), Spanish (B1), Swedish (Beginner), Danish (Beginner).

CERTIFICATIONS

AI and Data: BlueDot AI Safety Fellowship, AGI Strategy and Technical AI Safety (2026), Designing and Building AI Products (MIT, 2022), Business Intelligence Foundation (Certiprof, 2024), Data Analysis (ENAP, 2023).

IT Governance and Process: DevOps Master (EXIN, 2020), Lean IT Foundation (EXIN, 2019), Scrum Foundation (Certiprof, 2019), COBIT 5 Foundation (ISACA, 2015), ITIL V3 Foundation (EXIN, 2015), Lean Six Sigma White Belt (Certiprof, 2024).

Leadership and Language: EA Sweden Fellowship (2026), Women's Leadership Program (SOUL, 2024), Self-Leadership Program (Hyper Island and Swedish Institute, 2024), Collaborative Approaches to Societal Issues (Stockholm School of Entrepreneurship, 2024), TOEFL iBT 101/120 (ETS, 2024).

AWARDS, SPEAKING AND COMMUNITY

1st place at EpiMinds Google AI Hackathon (2026), Kong and Kolomolo AI-Assisted Coding Hackathons (2025). Speaker, Nordic Tech Week (2026). Judge, Apart Global South AI Safety Hackathon (2026). Co-organizer, DevOpsDays Brasília (4 editions, about 250 attendees each) and Drivhuset Ideathon, Stockholm (2025).