Cong Peng

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Profile

Senior AI Engineer / Solution Architect specializing in Agentic Apps, Data & AI Platform, AgentOps/MLOps/DataOps/ DevOps and Data Engineering on Azure.

Lead architecture and hands-on implementation from MVP to production, enabling teams to ship AI use cases with repeatable patterns (CI/CD, governance, observability, security).

Core Skills

Agentic AI Applications: Context Engineering, multi-agent workflows, RAG, evaluation, guardrails, LangChain, Lang-Graph, DSPy

AgentOps / MLOps / DataOps: Data/Model/Agent/App lifecycle, evaluation process, quality monitoring framework, etc

Cloud Data & AI Platform: Microsoft Azure, Databricks, GitHub, Azure DevOps, CI/CD for data and AI, IaC (Terraform), Kubernetes/OpenShift (platform integration), observability foundations

Delivery & Project Leadership: Lead in client projects; stakeholder alignment; prioritization and scope management; architecture & code reviews; mentoring; driving engineering standards; coordinating cross-team dependencies; enabling repeatable delivery patterns

Experience

Redeploy (formerly Reinsight), Senior Expert | AI and Data Engineering Team Lead — Stockholm, Sweden — Aug 2020 – Nov 2025
Consultant and team lead delivering data engineering and platforms, MLOps foundations, and agentic AI applications for enterprise clients.

- Lead internal competence building and engineering standards for AI and data engineering.
- Drive knowledge sharing, foster professional growth, support recruitment and onboarding, strengthen expertise within the company, support other projects and set technical direction.
- Design and implement internal frameworks for cross projects reusable delivery.

Selected Assignments

Swedbank, Lead AI Engineer — Stockholm, Sweden — Aug 2025 – present
Work on AI Workzone project to accelerate scalable AI use cases development and deployment.

- Design and implement platform patterns covering fast infrastructure provisioning, development and deployment workflows, and operational guardrails for AI applications.
- Shipped production RAG use case as a reference implementation for future teams.
- Tech: Azure, Kubernetes, OpenShift, Databricks, Azure OpenAI, Azure AI Search, GitHub, Langchain, MLflow

Söderberg & Partners AB, AI Engineer — Stockholm, Sweden — June 2025 – Sept 2025
Built agent automation for financial advisory workflows, integrated into existing systems.

- Delivered LLM-powered agentic workflows inlcude meeting note generation, structured information extraction, vulnerability scan, etc.
- Developed async APIs for the upstream application and internal services integration.
- Tech: Azure Web Apps, Azure OpenAI, DSPy, FastAPI, MLflow

Hultafors Group AB, AI Engineer

Stockholm, Sweden
Apr 2025 – Sept 2025

Designed and developed a sales data analysis agent system on top of the Data Platform.

- Implemented multi-agent orchestration where the supervisor agent plans analysis tasks, sub-agents iteratively generate and execute SQL queries and synthesis, and produce sales analysis reports.
- Created data-access/tooling/orchestration layer to make the agent system integrated with enterprise data platform.
- Tech: DSPy, LangGraph, Azure OpenAI, Databricks, Power BI, MLflow

Swedbank, Solution Architect

Stockholm, Sweden
Sept 2024 – Mar 2025

Expanded capabilities of the bank's platform to support Generative AI use cases.

- Designed platform extensions and delivery patterns for GenAI adoption in a regulated setting.
- Tech: Azure, Databricks, MLOps, Generative AI, FMOps

Handelsbanken, Lead MLOps Engineer

Stockholm, Sweden
Nov 2022 – Apr 2024

Designed and implemented MLOps capabilities in the Cloud Analytics & AI platform to make ML delivery systematic, automated, and repeatable.

- Established lifecycle patterns across train/deploy/schedule/monitor for ML applications.
- Tech: Azure, Databricks, DBT, Azure DevOps, MLOps, Graph database

Folksam, Lead MLOps Engineer

Stockholm, Sweden
June 2022 – May 2023

Designed and implemented a machine learning platform enabling CI/CD/CT and monitoring; advised on organizational setup for AI transformation.

- Enabled continuous delivery and monitoring patterns for ML use cases.
- Tech: Azure, Databricks, Azure DevOps, MLflow, OpenShift, CatBoost

Swedbank, Lead MLOps Engineer

Stockholm, Sweden
May 2021 – June 2022

Built a production ML platform for automated training, deployment, scheduling, and monitoring; migrated use cases without downtime; led mixed internal/external team delivery.

- Led migration of multiple ML use cases to the new platform with service continuity.
- Tech: Azure Data Factory, Azure DevOps, Databricks, MLflow

NIBE, Data Engineer & Solution Architect

Stockholm, Sweden
Nov 2020 – Feb 2024

Built a modern IoT big-data analytical platform based on Lakehouse architecture, including large-scale historical data migration and data ingestion. Implemented efficient Databricks pipelines supporting analytics and ML workloads.

- Designed platform architecture and ingestion patterns.
- Enabled downstream analytics and ML consumption through curated datasets and performance-oriented pipelines.
- Tech: Databricks, Azure Data Factory, Azure DevOps, Power BI, Lakehouse, Spark, Scala

Education

PhD	**Blekinge Institute of Technology**, Computer Science	Sweden Jan 2015 – Dec 2020
MSc	**Blekinge Institute of Technology**, Computer Science	Sweden Jan 2012 – Dec 2014

Languages

Languages: Chinese (native), English (full professional), Swedish (elementary)