





# Henry Stoll


IT professional with experience in solutions architecture, web development and with a strong skill on designing real-world AI solutions.


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## Recent Work Experience

 **Solution Architect & Data Scientist** (UNHCR)  
Developed and deployed scalable media classifiers (Llama2, Mistral, BERT) for social media hate speech detection, classifying 20k posts/minute using AWS with focus on explainable AI. Utilized AWS Bedrock, SageMaker to implement a serverless data pipeline including fanout pattern, RDS with Aurora, and DynamoDB for robust data handling and managed using IaC. Deployed user-facing Backend and Frontend with Fargate and AWS Amplify using best practise DevOps pipelines. Prototyped chatbots and internal tools using commercial LLMs like GPT4, Vertex and AWS Bedrock. Collaborated with internal and external business, legal and technical stakeholders.  
*Copenhagen, Denmark • 05/2023 - 03/2024*

 **Technical Advisor** (rapidcreative.io)  
Built and validated a chatbot for turning text into short videos using GPT4, RAG, langchain and React for a growth startup.  
*Copenhagen, Denmark • 01/2023 - 05/2023*

 **Technical Lead** (UNICEF)  
Technical Lead for a project enhancing supply chain visibility across 9,000 global NGO partners, piloted in 10+ countries including field mission to Lebanon. Designed the solution architecture and developed the backend using Node.js on Azure and PySpark for data pipelines. Led a team of three developers and coordinated with over 100 stakeholders.  
*Copenhagen, Denmark • 07/2021 - 01/2023*


 **Software Engineer Intern** (NEON.DEV)  
Frontend and app development for bootstrapping the *Doguniversity* app (>300k users) and *okourse* video platform.  
*Berlin, Germany • 01/2020 - 04/2020*


 **Corporate Student** (SAP SE)  
IT Consulting, Web Development, Cloud Software, Prototyping, Use Case Development for IoT, VR, AI in multiple Industries including Automotive, Manufacturing, Finance and Insurance.  
*Walldorf, Germany • 09/2016 - 09/2019*

## Recent Voluntary Experience

 **Student Assistant to Supervisory Board Member** (SAP SE)  
Preparing the adward-winning *Initiative Digitale Transformation* seminar at the Technical University Munich (TUM).  
*Munich, Germany • 09/2018 - 09/2019*

## Education

 **MSc Data Science and Business Administration**  
Copenhagen Business School (CBS) - top 5%  
*Frederiksberg, Denmark • 2020 - 2022*

 **BSc Business Informatics with SAP**  
Duale Hochschule Baden-Württemberg (DHBW)  
*Mannheim, Germany • 2016 - 2019*

## Skills

Architecture & Design  
Executive Presentations  
AI and Generative AI  
Web Development  
Security and Compliance  
Database Management  
Networking  
Performance Optimization  
Leadership of Small Teams  
Pre-Sales Consultation  
Collaboration with Business and Technical Stakeholders

## Development

Python, langchain, LLMs, MLOps, pyspark, SQL, Node.js, Vue, React, Svelte, Flutter, R, CI/CD, Docker, IaC, Kotlin, Postgres, NoSQL DB, Vector DB, AWS, GCP, Azure, Explainable AI

## Methodologies

Design Thinking  
User Experience  
Project Management

## Languages

English (fluent)  
German (native)  
Danish (learning)

## Interests

Swimming  
Cycling  
Running  
Bouldering  
Piano