

Sanyam Arya *Leading & Shaping Tech & Teams*

✉ er.sanyam.arya@gmail.com ☎ +491703380307 📄 in/sanyam-arya 🔗 sanyamarya.com

📍 ersanyamarya 📍 Berlin 📄 Valid Work Permit for the EU

Profile

10+ years in IoT/industrial automation (embedded to cloud). I run engineering like a product owner: roadmaps tied to executive OKRs, results measured in DORA metrics and cloud spend. Lately focused on AI-assisted development with Copilot and Claude, restructuring codebases for AI navigation.

AI-first developer experience, measurable DORA improvements, and cost accountability.

Skills

Engineering & AI Practices — AI-Assisted Development (GitHub Copilot, Claude) | Agile Methodologies | Monitoring, Logging and Observability | OpenTelemetry

Languages & Tools — TypeScript / JavaScript / Node.js | Python | Go | LangChain

Web App Stack — React, Next.js, TanStack Start | Express.js, koa, Hono | Flutter | Jest, Vitest

Cloud & Data — AWS | Azure | MongoDB | Redis | SQL | Azure Data Explorer (ADX) | InfluxDB

DevOps & Architecture — Docker, Kubernetes | Terraform (IaC) | CI/CD (GitHub Actions | Azure DevOps, Jenkins) | Microservices Architecture

IoT & APIs — MQTT | REST | GraphQL | RPC | Raspberry Pi | Arduino | USART | ADC

Work Experience

IoT Cloud Architect

PROTH!NX 📄

Berlin, Germany | 09/2024 – present

- Directed a cross-functional engineering organization (Dev, QA, DevOps), introducing Agile practices and a "you build it, you run it" model that gave each team ownership of its services in production, the core of our Developer Experience (DevEx) work.
- Cut Lead Time for Changes by 65% by tracking DORA metrics and automating CI/CD pipelines on Azure with Docker.
- Introduced GitHub Copilot (AI-native engineering practices) workflows across 2 teams and set architectural standards for codebases that AI tools can read and navigate, cutting PR cycle time by 32%
- Managed FinOps and infrastructure strategy, reducing cloud resource overhead and Docker image sizes by 53% through architectural changes.
- Aligned the technical roadmap with executive OKRs, using RICE to prioritize IoT platform features and shipping production LLMs for risk analytics.

Co-Founder and CTO

beeta.one 📄

Berlin, Germany | 09/2023 – 06/2026

- Set product and technical direction for a no-code/low-code platform built for Industry 4.0 and AI projects.
- Designed and shipped a microservices architecture that cut client development time by 30%.

weeve GMBH

Head of Engineering

Berlin, Germany | 12/2021 – 07/2023

- Grew and mentored the engineering teams, raising productivity 35%.
- Built a two-year technical roadmap with executive leadership and delivered it, cutting technical debt by 40%.
- Ran the open-source program; external contributions grew 50%.

Lead Software Engineer

Berlin, Germany | 11/2020 – 11/2021

- Led Agile development of an enterprise IoT platform, working across the full stack and cloud infrastructure to improve real-time responsiveness.
- Built customer-facing features and rebuilt the UI to make the product easier to use.

Software Developer

trivago 

Düsseldorf, Germany | 02/2020 – 11/2020

- Built and shipped customer-facing features in JavaScript/TypeScript with SQL databases (PostgreSQL).
- Set up monitoring, logging, and CI/CD on Jenkins and AWS to keep the application available and diagnosable.

Software Developer

AFour Technologies 

Pune, India | 08/2017 – 11/2019

- Led a team of 7 developers delivering full-stack and microservices IoT projects, finishing 15% ahead of schedule.
- Built embedded systems and applications for smart home and industrial automation products.
- Built customer-facing chatbots with Google Dialogflow, cutting customer service response times by 40%.

Projects

MQTIZER (Industrial-Grade IoT MQTT Client)

- Built a cross-platform MQTT client for real-time IoT data monitoring, with 50,000+ downloads. (Tech: Flutter, Dart, Node.js, MongoDB)

Commit GPT

- Built a VS Code extension that generates commit messages with OpenAI's GPT. (Tech: TypeScript)

Open-Source Infrastructure & Monitoring

- Published Terraform modules for EC2 and CloudFront/S3 deployments, plus a Telegraf plugin that monitors internet speed. (Tech: Terraform, Go)

Education

Post Graduation Diploma in IoT

Advanced Computing Training School - C-DAC 

Pune, India | 02/2017 – 08/2017

Bachelor of Technology - Electronics and Communication

ITM University 

Gwalior, India | 2011 – 2015

Languages

English — Proficient

Hindi — Proficient

German — Learning