Timoth Dev

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Technical Product Owner/Lead with 9+ years of experience delivering scalable AI/ML and GenAI products across healthcare and enterprise domains. Proven ability to translate complex business needs into actionable technical roadmaps, bridging the gap between stakeholders and engineering teams. Certified SAFe® 6 Agilist with hands-on expertise in guiding end-to-end product lifecycles from ideation to production.

Mirano.app **Apr. 2025 - June. 2026**
Founder & Product Owner *Puducherry, IN*

- Built Mirano.app, an AI-driven infographic creation platform.
- Defined product roadmap and led a cross-functional team of 3 to deliver an AI infographic platform from concept to MVP, achieving 200+ signups, 900+ infographics created.

Accenture Baltics **Feb. 2023 - Feb. 2025**
Team Lead - Data Scientist *Riga, LV*

- Built scalable medallion-architecture ETL and ML pipelines using Azure Databricks and PySpark.
- Delivered three GenAI projects - Sales Assistant, Lead Routing Workflow Automation Pipelines, and Customer Review Analytics Dashboard.
- Deployed ML and analytics workflows in enterprise Azure environments alongside data engineering and frontend teams.
- Used the SAFE agile framework to do PI planning, backlog grooming, sprint execution, sprint retrospective, stakeholder management, user stories, and cross-functional alignment.

Credo Health **May 2022 - Jan. 2023**
Lead Data Scientist *Chennai, IN*

- Led a 3-member team and collaborated with CEO, CTO, product, and domain experts to deliver 4 AI products.
- Translated clinical requirements into technical specifications, managed expectations on stakeholders and prioritized the backlog based on business needs.
- Architected solutions, mentored teams, and contributed hands-on to models and pipelines.
- Products: Vital measurement - mobile-video, LabOCR, AI meal planning with constraints, Calorie prediction from image. Self-hosted using Docker + fastAPI.

Blackstraw **Mar. 2021 - Apr. 2022**
Associate Data Scientist *Chennai, IN*

- Delivered Machine learning models: order scoring [model stack], Order classification [random forest], Order time to fill regression [XGBoost], and candidate-order recommendation engine [Surprise Sklearn]
- Implemented machine learning models in Azure ML and Databricks to develop ETL pipelines.
- Data drift and Model monitoring using Azure ML.

CMC Vellore **Aug. 2018 - Feb. 2021**
Research Fellow | Aug. 2020 – Feb 2021 *Vellore, IN*

- Designed and developed medical devices [Code] & signal processing algorithms.

Graduate Researcher & Teaching Assistant | Aug. 2018 – Jul. 2020

- Awarded 30L Grant by DST-NHHID for Stroke Rehab. Assessment vision system. [Publication]
- Reinforcement learning agents for assisting stroke patients. [Device, Game, Simulation]
- Teaching Assistant -Linear Algebra & Transducers and Instrumentation for IITm MTech Clinical Eng. Students

Sankalp Semiconductors **Feb. 2017 - Jul. 2018**
Design Engineer II *Bangalore, IN*

- Designed and developed RFIC layouts for 5G chipsets as part of Qualcomm's onsite team.

Research Intern - HTIC (IITM Research park)-Chennai; Phocos & Vdesign-Puducherry **Aug 2016 - Jan 2017**

Volontariat India **June-2016 - Feb 2017**

Evening School Volunteer Tutor

Taught Science, Mathematics, English and meditation to students in Grades 6-12.

EDUCATION

SCTIMST **Jul. 2020**

M.S, Bioengineering *Trivandrum, IN*

Pondicherry Engineering College **Jul. 2016**

B.Tech, Electronics & Instrumentation *Puducherry, IN*

CERTIFICATIONS, SKILLS & INTERESTS

- **Certifications:** SAFe® 6 Agilist, Deep Learning Computer Vision (Udemy)
- **Technologies:** Python, FastAPI, Azure ML, Azure Databricks, PySpark, Azure DevOps, Docker, CI/CD, Qdrant, SQL, AWS, Azure, LangChain, LLM orchestration, ML pipelines, ETL workflows
- **Interests:** Parenting, Teaching, Pets, spirituality (Vipassana, tai-chi etc.,)

Selected GenAI Projects

- AI Infographic Generation System - Built a single-page AI infographic generation platform using custom design templates. Developed backend services with Python/FastAPI, frontend in TypeScript, CI/CD, and hosting via Coolify, PostgreSQL for storage, Supabase for authentication, and Dockerized deployment.

- Automated Lead Routing System - Developed a lead scoring and routing system using Adobe Analytics, CRM, and external data sources to rank inbound leads from the website lead form and notify sales teams via group email. Built data aggregation pipelines using Databricks and PySpark.

- Customer Review Analytics Platform - Built a customer review analytics dashboard using Databricks Workflows for data processing and Databricks Dashboards for visualization.

- Sales Assistant - Developed an AI-powered sales outreach assistant that generated personalized emails using CRM data and LLM workflows with LangChain. Built backend APIs using Python, FastAPI, and Docker.