Andrew David Flavian Kanickairaj

Technical Business Analyst — Full Stack Developer — AI & Software Engineer
andavidflav.raj@gmail.com — +49 163 6655423 — Cottbus, Germany
LinkedIn — Portfolio

Professional Summary

Technical professional with **over 5 years of experience** bridging business requirements and software delivery, combining hands-on full-stack development with **direct client-facing requirement gathering, technical specification, and solution delivery**. Proven track record **translating business needs into working software** across web, mobile, and AI-driven products. Strong understanding of **Agile/Scrum methodologies, SDLC, system architecture, APIs, and database design**. Currently pursuing **M.Sc. in Artificial Intelligence**, bringing an additional layer of technical depth to **requirements analysis, feasibility assessment, and stakeholder communication**.

Core Competencies

- **Business Analysis:** Business Requirements gathering and documentation, business-to-technical translation, Technical Specifications, feasibility and impact analysis, stakeholder communication
- **Project Management & Agile Delivery:** Project Management, Project Planning, Agile/Scrum methodology, sprint planning, project documentation, timeline and milestone tracking
- **Tools:** JIRA, Confluence, Git, SQL, REST APIs, Postman
- **Technical Foundation:** Software Development, Python, SQL, database management, Data Modeling, React, Flutter, Flask, system architecture, API integration, information technology
- **Client & Stakeholder Management:** Direct client requirement discussions, User Acceptance Testing (UAT) coordination, user manuals, cross-functional team collaboration (Dev, QA, Business)
- **Professional Skills:** Analytical thinking, decision making, active listening, constructive feedback, troubleshooting, accountability, teamwork, professionalism, develop training materials
- **Languages:** English (Fluent), German (Basic), Tamil (Native)

Professional Experience

Full Stack Developer & Client Solutions – Freelance
Codehunters Pvt. Ltd. (Registered Startup) Apr 2021 – Present

- Serve as direct technical point of contact for **10+ clients**, gathering and analyzing business requirements and translating them into technical specifications and working software solutions.
- Conduct requirement discussions directly with clients via calls and meetings, while also collaborating with additional client teams on technical implementation details, documenting scope, expected functionality, and delivery timelines.
- Built and delivered full-stack web and mobile applications (Flutter, React, Flask, Python) based on client-defined business needs, including a real-time GPS-based school transport tracking system.
- Collaborated with designers and QA testers to validate that delivered solutions matched client requirements, supporting rollout and acceptance testing.
- Identified project risks, scope gaps, and technical constraints early, proactively communicating trade-offs to clients and adjusting delivery plans accordingly.
- Applied Agile-style iterative delivery, adapting features and priorities based on ongoing client feedback across the project lifecycle.
- Currently extending platform capabilities with AI-driven features, applying research from M.Sc. studies to production use cases.

Technical Lead – Freelance
Codecartz (codecartz.com) Feb 2023 – Present

- Support client software delivery through requirement gathering, technical specification, and solution design for products including a Student Exam Management System (Flutter + Laravel) and an AI-powered face-recognition photo delivery platform.
- Contribute to technical documentation, architecture decisions, and delivery tracking on client projects.

Student Assistant – Institute of Transportation Systems
Deutsches Zentrum für Luft- und Raumfahrt (DLR), Berlin Nov 2025 – Mar 2026

- Conducted sentiment analysis on transport-related data to support passenger experience insights and business reporting.
- Developed LLM-based summarization tools to extract key findings from large text datasets for stakeholder consumption.
- Performed data cleaning, annotation, and visualization to support analytical and management reporting.

Education

M.Sc. in Artificial Intelligence 2023 – Present
Brandenburg Technical University (BTU), Germany
Focus: Data Analysis, NLP, LLMs, simulation-based AI, experimental physics and data

B.E. in Computer Science 2019 – 2023
Anna University, India

Key Projects

- **Student Exam Management System (SEMS):** Gathered requirements from institutional stakeholders and delivered a full exam management platform using Flutter and Laravel, managing scope and delivery end-to-end.
- **SnapFace (AI Face Recognition Photo Delivery):** Translated client business needs into a production AI system for automated event-photo delivery, using InsightFace and DBSCAN clustering, self-hosted on Raspberry Pi 5.
- **Master's Thesis – Multi-Scale Cross-Attention for Prompt-to-Prompt Image Editing:** Researching a multi-scale cross-attention mechanism for diffusion-based image editing models.
- **BTU Buddy (LLM-Powered Chatbot):** Requirement-driven build of a student support assistant using local LLMs (Ollama), React, and Flask.

Certifications

- **Udemy:** Complete Python + SQL Bootcamp – 2022
- **Udemy:** Python for Data Science and Machine Learning – 2025
- **IBM:** Predictive Analytics for Aircraft Engines – ICT Academy, 2023
