

JACK (YARON) YAKOV AMICHAJ

Business Analyst | AI Product Builder | Full Stack Developer

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#) | [Calendly](#)

PROFESSIONAL SUMMARY

Business Analyst and AI Product Builder with a dual background in **Psychology and Computer Science**, bridging the gap between human-centric requirements and complex technical implementation. Experienced in designing data-driven solutions that connect business goals with measurable improvements in revenue and decision quality. Proven track record in **Enterprise AI, Cloud Computing**, and **Digital Transformation** (Deloitte), with a portfolio of deployed multi-agent systems and consumer applications.

TECHNICAL & PROFESSIONAL SKILLS

- **AI & ML:** Generative AI (LLMs, RAG), Multi-Agent Systems, LangChain, OpenAI API, Vector DBs (Pinecone), Scikit-learn, Pandas.
 - **Languages:** Python, TypeScript, JavaScript, SQL, Java, C++, C.
 - **Enterprise Systems:** SAP BTP, SAP SuccessFactors, OData, Power BI, Cloud Computing.
 - **Web & Tools:** React, Node.js, FastAPI, Next.js, Git, Jira, Figma, Azure Speech SDK.
 - **Core Competencies:** Business Analysis, Revenue Analytics, Agile/Scrum, SDLC Management, Research Design.
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PROFESSIONAL EXPERIENCE

DELOITTE | Tel Aviv, Israel

Junior Consultant | Aug 2025 – Present

- **Implementing enterprise AI solutions** and data-driven systems, leveraging **SAP BTP** and **Gen AI** to optimize large-scale business processes.

- **Supporting digital transformation projects**, analyzing legacy workflows to recommend and execute automation strategies that improve operational efficiency.
- **Collaborating with cross-functional teams** to align technical deliverables with client business goals, ensuring seamless adoption of new technologies.

ADI OHAYON HOSPITALITY | Hybrid / Remote

Business Analyst Intern | Apr 2025 – Present

- **Analyzing demand trends** and competitor pricing strategies across hotel portfolios, building **revenue forecasting models** that directly inform pricing decisions.
- **Developing executive dashboards** (Power BI/Excel) to visualize real-time KPIs, enabling stakeholders to make data-backed strategic adjustments.
- **Collaborating with sales and marketing** to align promotional activities with operational capacity and profitability targets.

TECHNION – ISRAEL INSTITUTE OF TECHNOLOGY | Haifa, Israel

Research Assistant & Team Coordinator | 2021 – 2023

- **Conducted cognitive psychology research**, managing participant recruitment and lab operations.
- **Analyzed experimental data** using **Python** and **SPSS**, translating complex datasets into actionable research insights.
- **Coordinated cross-functional teams**, ensuring strict adherence to research protocols and timelines.

HEBREW UNIVERSITY OF JERUSALEM | Jerusalem, Israel

Research Project Manager & Software Engineer | 2020 – 2021

- **Managed research project timelines**, serving as the technical lead for data collection and analysis tools.
- **Developed C++ software solutions** to support experimental workflows, bridging the gap between theoretical research needs and technical execution.

KEY PROJECTS

Hatrick: AI Cyber Defense | **AI Lead & Developer**

- **Built a multi-agent system** for cyber attack/defense simulation using **LLM orchestration** (LangChain/Groq).
- **Engineered a high-performance architecture** featuring 6+ autonomous AI agents with sub-second inference capabilities.
- **Stack:** React, TypeScript, FastAPI, LangChain, Groq.

NVIDIA Documentation Navigator | *AI Engineer* | [Code](#)

- **Developed an AI-powered unified search engine** using **RAG (Retrieval-Augmented Generation)** to query NVIDIA documentation.
- **Implemented version-aware answers** and code generation features, utilizing **Pinecone** for vector storage and **FastAPI** for the backend.

PawQuest: Dog Social App | *Full Stack Developer* | [Live App](#)

- **Launched a social platform** for dog owners featuring real-time matching, location discovery, and event scheduling.
- **Designed a community-focused UX**, enabling users to organize meetups and build local networks.
- **Stack:** React, Node.js, Base44.

Scholar 2.6: AI Research Navigator | *Frontend Engineer* | [Code](#)

- **Created a Chrome Extension** with an AI-driven interface for academic research, integrating with **Semantic Scholar** to visualize knowledge graphs.
- **Stack:** TypeScript, React, OpenAI API.

SleepCall: Meeting Sentinel | *Python Developer* | [Code](#)

- **Engineered a real-time audio monitoring tool** using **Azure Speech SDK** to detect specific keywords (e.g., names) and generate AI summaries of missed context.

EDUCATION

OPEN UNIVERSITY OF ISRAEL

B.A. in Psychology & Computer Science

- **Focus:** Dual-major combining algorithmic thinking with human behavioral analysis.

MILITARY SERVICE

ISRAEL DEFENSE FORCES (IDF)

Staff Sergeant - Operations & Leadership | Mar 2017 – Aug 2018

- Led team operations and mission planning in high-pressure environments.
 - Managed logistics and resource allocation while training junior personnel.
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LANGUAGES

- **Hebrew:** Native
- **English:** Fluent
- **Spanish:** Conversational
- **German:** Conversational