Aron Barocsi | aron.barocsi@gmail.com | +36308255487 | Budapest, Hungary | https://linkedin.com/in/barocsi

A senior professional with 25+ years in the digital industry, I specialize in developing and managing innovative products, data & ML solutions, and SaaS platforms. My expertise encompasses full-stack development, data architecture, and product management, with a proven track record of delivering impactful digital solutions. I thrive in environments that require a deep understanding of technology, business, UX, Machine Learning and AI solutions to drive commercial outcomes and product adoption. My primary interest is designing autonomous products to automate intelligence, decision making and processes within the equity markets and national security domains.

Education

- MBA, CEU Business School, 2012

- MSc in Electrical Engineering (Robotics and Intelligent Systems), Budapest University of Technology and Economics, 2006

Languages

- Hungarian: *Native*

- English: *Fluent*

Skills

- **Product and Solution Architecture**: Expert in designing, managing, and delivering digital products and solutions with a focus on SaaS, PaaS, IoT, and data analytics

- **Data Science and Analytics**: Proficient in SQL, Python, and machine learning (ML) pipelines for data analysis, visualization, and modeling tools (Pandas, CuML, XGboost, LightGBM, Keras, TF) with LLM integrations (fine-tuning, LoRa, LangChain solutions)

- **Technical Proficiency**: Advanced skills in microservices, Swagger, Python, Nodejs | AmCharts, FusionCharts, D3, Leaflet | Figma, Angular, Ionic 6+, PrimeNG | RDBMS/NoSQL databases | Gitlab CI/CD, AWS (ECS, Serverless, Lambda, API GW, EC2, CloudWatch), Kafka, Docker

- **Leadership and Collaboration**: Experienced in leading diverse teams, fostering innovation, and working closely with product, engineering, and client-facing teams to deliver high-impact projects

Relevant role experience

Co-Founder & Full Stack AI developer | Taltosh
January 2024 - present

- Taltosh revolutionizes Criminal and National Security Investigations with Advanced Digital Twin Technology. Leverages On-Premise LLM Models for Interactive Dataset Interrogation, Experience Auto-Extraction of Factual Events and Relations from Unstructured Data with Our Proprietary Fine-Tuned Models, and Unlock Unprecedented 1-Click Case Resolution Speeds using advanced filtering algorithms reducing workload from weeks to seconds.

- Designed and developed core architecture and product MVP (Python FastAPI, Airflow, Angular, AWS, Druid, MongoDB) and ML pipelines for LLM based Digital Twin and LLM based advanced fact extraction on-premise, using LoRa fine-tuning on Llama2. Developed a set of advanced proprietary analytical algorithms for the defense and criminal investigation industry within the geospatial, timeseries and graph domains.

Strategy Advisor & Product Architect | Hungarian Ministry of the Interior *through* Neti Informatics Ltd.
January 2022 - January 2024

- Led the digital transformation program, focusing on technology innovation, machine learning, and data strategy, in a highly regulated environment.

- Designed and delivered multiple SaaS products, emphasizing user experience and leveraging data for actionable insights and product improvement within the national security and intelligence domain

Solution Architect & Full-stack Developer | BISZ Informatikai Zrt (Hungarian National Bank subsidiary)
2015 - 2022

- Developed a data processing and visualization platform for financial analytics, serving as the product owner and lead developer.

- Implemented data analytics and visualization solutions that directly impacted client engagement and business strategy.

CTO | Duna House Group Plc
2021 - 2022

- Transformed digital strategy and product architecture for a multi-national service provider, integrating data science and analytics to enhance client engagement and operational efficiency.

Principal Architect & Developer | Tickbooster, Private Hedge Fund
2019 - 2021

- Architected and developed a real-time quantitative trading platform, employing machine learning for predictive analytics and strategy optimization.

CPTO & Co-Founder | Omnirender
2014 - 2022

- Designed and built an innovative distributed SaaS platform from the ground up, focusing on RPA and virtualized screen recording to enable browser based creative content platforms vendors to feature video export format

- Led product design, development, and market introduction, driving adoption through advanced analytics and personalized product insights, conveyed b2b consultative sales and account management

Head of Digital | IKO Media Group
2011 - 2014

- Managed and expanded the online presence and digital product portfolio, including channel portals, microsites, content, e-commerce innovation; designed and developed and offline media asset planning platform

Head of Digital | MTM-SBS Ltd. TV2
2009 - 2011

- Managed, developed and expanded the online presence and digital product portfolio, including the inception of the first of kind, monetizeable hungarian live-streaming & VOD platform, driving significant growth through user experience design and analytics.

Entrepreneurship

Delivered products, including fundraising, marketing and development
2007-2019

- Reverse auction portal (2007-0*9 Yabe)*, IoT Fleet Management platform (*Genertel, 2011-13, IBS Germany 2019-present)*, Social Media App (Grademill 2015-17), Investment Market Research SaaS (Roundmapper 2017)

Unassigned digital projects

Web developer, contractor
1999 - 2015

- Worked as digital solution consultant for multiple digital agencies, contracted for web-based projects with over 30+ SMEs and governmental bodies