# Arpad Kish

## Software Craftsman | DevOps | Mobile Dev | AI/ML/CV | Active CxO$^2$

## EDUCATION - in Hungary and abroad

**Business IT in English, Master of Science** (unfinished), FinTech @ Obuda University (Budapest, Hungary, 2023-2024)
 Corporate Finance, Business and Informatical Strategy, Business Economics, Multivariate Statistics, Ping-pong
**Media Design, Master of Arts** (unfinished) @ Moholy-Nagy University of Art & Design (Budapest, Hungary, 2015-2016)
 Memorial Design, Understanding spaces, Video FX, Marketing Management, Emotional Design
**Intensive Program on Computer Vision summer school** (in July-August 2012) and **an exchange semester** also **in Computer Vision** @ University of Koblenz & Landau (Koblenz, Germany, 2012-2013)
 Industrial Computer Vision, Computer Graphics, Theory of OCR, E-participation, Advanced IT Security
**Engineering IT, Bachelor of Science**, spec. in Computer Vision @ Obuda University (Budapest, Hungary, 2009-2014)
 Thesis: A web-enabled Content-based Image Retrieval System and an iOS client (a Vector Database for IR)
 Awards: Scientific Students Associations 2nd place in 2014, 24-hour Programming Comp. 3rd place in 2012
 Subjects: Linear and Discrete Mathematics, Analysis, Economics (micro/macro), Management, Programming, Databases, Software Technology, Digital Circuit Design, FPGA programming, Formal languages and machines, Probability Calculation, Computer Vision, Machine Learning, Mobile programming (iOS), Operating Systems

## ENTREPRENEURSHIP - my drive

**Chief Operating Officer & Founder** @ *Imploy.Art*, a professional network for artists and galleries, iOS/Android 2025-
**Chief Executive Officer & Founder** of *GreenEyes.AI*, a Cloud AI Computer Vision Technology Platform provider, 2022-
**Deputy Chief Technologist & Co-founder** of iOS and Web projects around social networking concepts, 2014 & 2016
**Chief Technologist & Co-founder** of *Dice*, an *award-winning* Social Event Discovery and Recommendations app, 2013
**Chief Executive & Founder** of *PlayerPlanet*, an Online Gaming Infrastructure as a Service provider (exited), 2009-2011

## INDUSTRIES - insights and products

*E-commerce, Gaming, Hosting, Cloud, Logistics (Enterprise Resource Planning), Publishing (Content Management System), Healthcare (BI and Data-Warehousing), Social Networking & Media (Marketing and Social Platforms), Banking and Finance (Retail and Investment Banking), Online Streaming (Video), Analytics (Real-time Statistical Analysis and Data-mining), AI and Machine Learning with strong regard to Computer Vision, Creator Economy, GRC*

## ENTERPRISES - thriving in large organizations

**Senior Developer** @ IBM**,** leading in and impacting on User Experience / Dev / Cloud & Software Architecture and Technical Direction, Career dev. mgmt. in the HR domain with 200.000 end-users (Budapest, Hungary, 2020-2023)
**Senior Developer** @ GE Healthcare, a BI & Analytics app for hospital execs (Budapest, Hungary, 2019)
**Application Developer, Assistant Vice President** @ Barclays Investment Bank, a browser-based document editor and publishing software for Chartered Financial Analysts, with a reach of 900.000 readers (Prague, Czechia, 2018-2019)
**Team Lead, Senior Developer** @ NEORIS, a green-field project of a new ERP for CEMEX (Prague, Czechia, 2017)

## STARTUPS - supporting fellow entrepreneurs

**Deputy CTO, Head of Technology / VP of Engineering, Leading Software Architect** @ Bettr.App, a Challenger Bank for Creators, leading a team of developers and conducting architectural duties (South Africa/Remote, 2016/2017/2023)
**Leading Software Architect, Senior Developer** @ TimelinePI, Inc., a Software as a Service product for Time-series data analysis in the Cloud, defining the Cloud Architecture and Software Craftsmanship (US/Remote, 2015-2016)

## DIGITAL - building experiences for brands

**Technical Project Manager** of Facebook application- and web development projects @ Mito (Budapest, 2013-2014)
 Clients: Aldi, Unilever, Balabit, Cetelem Bank, FHB Bank, International Business School, e-commerce
**Full-stack Developer** of Facebook and mobile apps, for millions of people @ Kriek (Budapest, Hungary, 2011-2013)
 Clients: Sony, Panasonic, Vatera, Spektrum TV, Arukereso
**Full-stack Developer** (internship) @ a market-leading, regional E-commerce (Budapest, Hungary, 2010-2011)

## ABOUT - who I am

Born in 1990, I'm a passionate **Digital Native, Serial Entrepreneur, and Full-spectrum Software Engineer** with 10 years of commercial experience for international clients. I am a versatile expert, proficient as a **Software Architect** (50+ apps, 10 complex products), **UI/UX Designer, Full-stack Developer, and DevSecOps practitioner.** I combine technical depth with strategic leadership, having 5 years in **Technical Project Manager/Web Architect roles.** Further expertise includes **Digital Strategy, Online Marketing, and Agile project delivery.**

## STACK - technicalities

**Programming Languages**: C, C++, Rust, Python, Java, C#, JavaScript, Go, Scala, PHP, Bash, VHDL
**Mobile & App Development**: Android, iOS, Capacitor, Play Store, App Store, Compliance
**Web Development**: HTML5, CSS3, TypeScript, NodeJS, React, Angular, SASS, Bootstrap, Tailwind, Vite
**Databases**: MySQL, PostgreSQL, MongoDB, Redis, MQs
**Frameworks**: Express, Flask, Spring (-Boot, JPA), .NET (4, Entity Framework), Codeigniter/Laravel, Martini/PAT (Go)
**Cloud & DevOps**: Docker, IaC, AWS, AWS CDK, K8S, Serverless, CI/CD, Cloud-Native, IBM Cloud, OCI, Linux
**AI & Machine Learning**: Computer Vision, Machine Learning, Artificial Intelligence, ChatGPT, Gemini, Cursor
**Version Control**: GitLab, GitHub, Subversion, Perforce
**Architecture & Design**: Software Architecture, C4 model, MVC, MVVM, Domain Driven Design, Distributed Systems
**Graphics Design and Modeling**: Sketch, Figma (beginner), Photoshop, Illustrator, Fireworks, Adobe XD, Draw.io

## OPEN SOURCE PROJECTS - selected pieces

**Agentic Research App**: Personalized AI Research Assistant with Memory: github.com/arpad1337/agentic-research-app
**@greeneyesai/api-utils**: a NodeJS MVC framework; AWS, ORM, Tooling, over 24.000 downloads;
www.npmjs.com/package/@greeneyesai/api-utils
**@greeneyesai/toolkit**: TypeScript client for GreenEyes.AI API; www.npmjs.com/package/@greeneyesai/toolkit
**@greeneyesai/winston-console-transport-in-worker**: A Transport extension for Winston to use a worker thread when writing messages to console (12x perf. impr.);
www.npmjs.com/package/@greeneyesai/winston-console-transport-in-worker
**Conv-kmeans-lab**: Convolutional K-means Color Segmenter in CIELAB;
github.com/arpad1337/conv-kmeans-lab
**Infra-stack-cdk-snippet**: AWS CDK stack snippet for base app deployment (NodeJS/Redis/Postgres);
github.com/arpad1337/infra-stack-cdk-snippet
**Location-lookup**: A NodeJS program to retrieve the closest city in the USA by ZIP codes;
github.com/arpad1337/Location-lookup
**Bm25-lite**: Okapi BM25 in TypeScript; github.com/arpad1337/bm25-lite
**Analytics-web-capacitor**: Google Analytics extension for the web and Capacitor apps;
github.com/arpad1337/analytics-web-capacitor

## UX SAMPLES - usability at the forefront

**ART SCAPE mobile app**: A Capacitor app for Web, iOS, and Android; https://www.arpi.im/screenshots.pdf
**ART SCAPE Content Management System**: A webapp for gallery profile management; https://www.arpi.im/cms.pdf

## PUBLICATIONS - mathematics here and there

**Vector Embeddings for Images Beyond Neural Networks: An Exhaustive Study on Compact Composite Descriptors** (2025): https://www.arpi.im/embeddings.pdf
**Rationalizing Relational Schemata: A Statistical Approach using PCA and Dimensionality Reduction** (2025): https://www.arpi.im/rationalization-w-PCA.pdf
**Making a hypothetic Bank in the era of AI** (2025): https://www.arpi.im/hypothetic-bank.pdf
**Moving a Three(+) Tier app to Cloud-Native** (2023): TDK work, AWS; https://www.arpi.im/replatforming.pdf
**Modern Book Catalog** (2014): BSc thesis, AI/ML/CV (C++), NodeJS, iOS (Obj-C); https://www.arpi.im/thesis_eng.pdf

## LANGUAGES - used and in learning

**English**: B2, TELC 2014, estimated C1 by 2016
**German**: A2, Univeristät Koblenz-Landau 2012
**Hungarian**: native
**Czech**: basics, willing to widen
**Polish**: basics, willing to widen
**Japanese**: basics, willing to widen

## CERTIFICATIONS AND LICENSES - attestations

**Driver's License, B category**: Hungarian Ministry of Internal Affairs 2023
**Security and Privacy by Design Foundations**: IBM 2022
**Team Solution Design**: IBM 2021
**Architectural Thinking**: IBM 2021
**Cloud Core**: IBM 2020
**Containers & Kubernetes Essentials**: IBM 2020
**Enterprise Design Thinking Practitioner**: IBM 2020
**Certificate of Attendance of Intensive Program on Computer Vision Summer School**: Universität Koblenz 2012