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| |  |  | | --- | --- | |  | Mario Klobučarić  Artificial Intelligence Engineer | | |
| |  |  | | --- | --- | |  | Profile I am an Artificial Intelligence Engineer with 5 years of experience in software development, teaching coding, and automation. My expertise lies in building AI applications, software development, and data engineering.  With prior 10 years of experience, I possess a comprehensive perspective on problem-solving and solution-finding. This is complemented by my effective business communication skills and project management experience, gained from leading and contributing to various projects. |  |  |  | | --- | --- | |  | Employment HistoryArtificial Intelligence Engineer at techXflow d.o.o. (self-employed), November 2023   * **AI Product Management:** Assessing technical feasibility of AI products, leading iterative development, implementing data-centric approaches, managing ambiguity, and fostering continuous learning. * **AI Product Development:**  Large Language Models (LLM):ChatGPT, Claude, Gemini, Open-source models  Retrieval Augmented Generation (RAG), AI agents * **Software Development:** Python, SQL, JavaScript (React) * **Data Engineering:** ETL (Extract, Transform, Load) pipelines * **Cloud Platforms:** GCP and AWS  Teacher & Head of Regional Compeatence Center at Technical School Čakovec, Čakovec September 2018 — November 2023   * **Led Comprehensive Lectures and Workshops:** Covered subjects, including coding (Python, Flutter), automation, and business communication. * **Promoted a Culture of Experimentation:** Fostered a learning environment that encouraged trying new things, practical application of theoretical knowledge, and viewing mistakes as essential learning steps. * **Played a prominent role in the implementation of two EU projects** valued at €7.5 million  Head of International Projects and Sales Network at ENERGY PLUS d.o.o., Ludbreg January 2016 — July 2018   * Supported top-tier international clients and presented the company at fairs * Worked on LED lighting projects documentation and investment projects, emphasizing Energy Performance Contracting.  Agency Director at Međimurska energetska agencija d.o.o., Čakovec January 2013 — January 2016   * Directed agency operations, resource management, growth strategies and successfully transformed the agency's financial standing toward complete self-sustainability. * Managed multiple energy-focused projects and campaigns, promoting, and implementing energy efficiency and renewable energy adoption.  Licensed Designer at DORS PROJEKT d.o.o., Čakovec August 2010 — December 2012   * Designed electrical installations for various sectors, including “smart home” and photovoltaic plants. * Consulted on renewable energy regulations and privileged producer status.  Designer at ZG-PROJEKT d.o.o. , Zagreb November 2007 — July 2010   * Designed electrical installations for highways, tunnels, and road lighting * Estimated savings for lighting fixture replacements  Development Engineer at V-elin d.o.o., Čakovec June 2006 — September 2007   * Assisted in digital/analog system development and contributed to water monitoring projects. * Prepared technical documentation and supported related software. |  |  |  | | --- | --- | |  | Education56 ECTS, Faculty of Organization and Informatics, Varaždin 2017 — 2018   * Specialization: Teachers Education (Pedagogical/Psychological/Didactic/Methodical) * GPA: 4.55/5  University Specialist of Strategic Entrepreneurship, 60 ECTS, Faculty of Economics, Zagreb 2008 — 2011   * Thesis: Leadership in Social Responsibility & Social Entrepreneurship * GPA: 4.6/5  Graduate Electrical Engineer (Industrial Electronics), 274 ECTS, Faculty of Electrical Engineering and Computing, Zagreb 2000 — 2005   * Thesis: Multichannel Receiver for Surface Electromyography * GPA: 4.15/5  Natural Science and Mathematics Gymnasium, Čakovec 1996 — 2000  Awards: 1st (3x) & 3rd (3x) in County Mathematics Competitions (13-18 years) |  |  |  | | --- | --- | |  | CoursesDeepLearning.AI: Data Engineering (AWS) - Professional Specialization, Coursera October 2024 — December 2024 Various online courses on topics: Python, LLMs, RAG, Vector Databases, Data Science, ML, Flutter, GCP and similar, - Udemy, DeepLearning.AI 2019 — 2024 |  |  |  | | --- | --- | |  | Projects  * AI-Powered Web-based Platform for Energy-Efficient Renovations and Renewable Energy Consulting * Agentic workflows + RAG * MCP server + Claude Desktop * Text to SQL agentic app with open-source models * Educational Assistant App Study Buddy - Frontend (Flutter), Backend (Flask) * Machine learning manual based on Kaggles Titanik dataset * Robotic arm system with Python GUI on Raspberry PI * Raspberry PI web server for environmental data visualization * Webpages | |  | Details Croatia, 00385992656398  [mario.klobucaric@gmail.com](mailto:mario.klobucaric@gmail.com) Links [Personal Page](https://mklobucaric.github.io)  [Company Page](https://www.techxflow.xyz/)  [LinkedIn](https://www.linkedin.com/in/mklobucaric/)  [GitHub](https://github.com/mklobucaric) Skills Python  JavaScript/React  SQL  LLMs (ChatGPT, Claude, Gemini)  RAG & Vectorbases  REST APIs  Data Science & ML  Flutter  VS Code/ Cursor  Jupyter Notebook  Git/GitHub  GCP / AWS  Firebase  fastAPI  Docker  Langchain/LangGraph  crewAI  LangSmith Languages  |  |  | | --- | --- | | Croatian | | |  |  |  |  |  | | --- | --- | | English | | |  |  |  |  |  | | --- | --- | | German | | |  |  |  Hobbies Reading: Technology & Future, People & Mindset, Personal Growth Others: Running, Playing Guitar |