Babak Barghi

AI Solutions Architect - Digital Transformation Expert

As an engineer & researcher, I bring a robust 6-year track record in driving Industry 4.0 innovations through the design & automation of complex processes. My proficiency extends to the practical use cases of AI, machine learning models, data mining & development of intuitive software applications. I excel in translating business requirements into efficient technical solutions. Capable of unleashing the creativity of multidisciplinary teams to create innovative and scalable intelligent systems.



🛱 WORK EXPERIENCE

IT Graduate Program

Full-time, 09/2022 - present

Continental

AI Production Planning Strategist - Tires IT (Hannover)

• Conducting strategic analysis of current AI applications in production planning, proposing improvements to boost accuracy and operational efficiency, aligning with the company's 2030 vision.

Software Developer for Business Applications - Auto IT (Mexico)

 Engineered Windows & web apps, and assisted in migrating special applications to new Windows Server environments. (+6 applications)

Global SAP Rollout Support - Auto IT (Frankfurt)

· Managed FitGap Sessions and Strategy Blueprint for the SAP Integrated Business Planning, overseeing data validation and customizing for PP module across Mechelen & Timișoara plants.

Data Scientist - Tires R&D (Hannover)

• Developed new data pipelines for Rubber Technology Group, leading the machine learning process from data acquisition to insight generation.

TechTalentLab - Polytechnic University of Catalonia (Barcelona)

• Drove AI research in e-recruitment, emphasizing the application of Large Language Models for Natural Language Understanding and Human-Robot Interaction, while leading the development & launch of advanced recruitment chatbots tailored for Ph.D. candidate enrollments.

Software Implementation Expert (ERP)

Full-time, 07/2018 - 09/2020

Fanap (Tehran)

• Led ERP supply chain module deployment & data migration across MIDHCO Mining holdings, streamlining processes and data systems for 7,000+ employees in Iran's largest IT project "MIDRP".

Shareholder & Project Coordinator

2012 - present

Sirjan Voltage (S.V.Co)

· Enhancing contract profitability analysis, leading to a refined investment strategy and a 15% improvement in project ROI on average.

🗢 EDUCATION

Master's in Technology & Engineering Management

Polytechnic University of Catalonia-BarcelonaTech

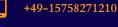
09/2020 - 06/2022

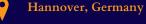
• Master Thesis: "How chatbots are used in recruitment and selection practices?" with the aim to analyze the HR procedures to recruit best-fitting candidates by using conversational agents and Google DialogFlow. Grade: 9.5/10 🔗

B.Sc. Metallurgy & Materials Engineering Ferdowsi University of Mashhad

09/2012 - 01/2017









linkedin.com/in/babakbarghi



ଐ SKILLS

Core Tech Stack:

Programming & Frameworks:

Python, R, C#, ASP.NET, Angular, Google Cloud Services

NLP-LLMs, Computer Vision, MLOps

Software Development:

Full-stack development, UI/UX design, API integrations

Database & Server Management:

SQL, Server migration, Data Architecture

SAP Modules:

PP, IBP, APO, ABAP

Development & Operations:

- · Project Management: Agile, SDLC methodologies
- · Tools & Platforms: Git, Jira, Tableau, Docker,

HuggingFace, Roboflow, Google Vertex AI, OpenAI API

• Infrastructure: Linux, DevOps, CI/CD, REST APIs

Languages:

English (C1), Spanish (B1), German (A1), Persian (Native)

PUBLICATION

Barghi, B., Gallardo, E., & Fernandez, V. (2022). An Overview of Chatbots Usage in Recruitment and Selection Practices. In MCIS 2022 Proceedings (No. 7). https://aisel.aisnet.org/mcis2022/7 - Presented at ItAIS and MCIS 2022 Conference, in Italy on October 14th 2022.

SAMPLE PROJECTS

Smart Auto Spend Tracker

AI-powered tool for real-time expense transaction tracking across accounts with Google Vertex AI 'Gemini Pro', featuring multi-currency and language support. 8

Damm Company Analysis (Distributor leader in Europe) Various result-oriented analyses ranging from Exploratory, RFM & Basket analysis to drive strategic decisions. 🔗

+15 more projects... For a detailed view, please visit my GitHub

INTERESTS

- Gaming
- Basketball
- Books & Podcasts
- Open Source Contribution