

Sasa Pesic

System Architect & AI Technical Lead

Address Novi Sad, Vojvodina, 21220

LinkedIn www.linkedin.com/in/pesics

Phone 381631675182

E-mail sasa.pesic@vladam.ai

Resourceful AI R&D professional with 4 years of experience in both academic and industrial institutional settings. Highly skilled in guiding research activities, designing scalable and robust system architectures and delivering successful AI & data science projects. Capable of coding in 10 programming languages.



Work History

**Jul 2020 -
Current**

Co-Founder and CIO

VizLore Digital Asset Management, Novi Sad, Serbia

- Researched new technologies and chose best options (System architectures, technological stacks, AI, data science modelling) in line with company priorities and cost-effectiveness.
- Maintained high-level knowledge of current and emerging technology development and applications.
- Facilitated ongoing team development and growth through training and professional skills enhancement.

**Jul 2018 -
Current**

Researcher and Consultant

Arizona State University, Tempe, Arizona

- Worked on projects regarding Hyperledger Fabric technology deployment, integration, scalability and performance improvement.
- Performed research into study topics to increase knowledge and ability to provide valuable contributions (Internet of Things, Cyber-security, AI, P2P insurance, Energy trading and micro-grids, Carbon trading, Blockchain technology risk assessment)
- Supervised research teams on the abovementioned topics
- Worked on following AI & Data Science projects:
 - Real-time monitoring and prediction of water quality parameters and algae concentrations using microbial potentiometric sensor signals
 - LSTM-based cryptocurrency market trends prediction featuring social media sentiment analysis
 - Blockchain-based federated machine learning in large-scale environmental sensing
 - Large-scale maps information retrieval and clustering for vehicular accidents prediction

Feb 2017 - **Director of Software Development**

Current *VizLore LLC, Scottsdale, Arizona*

- Responsible for overseeing development of active projects, technology research, project management and software architectures in 3 verticals: IoT, AI and Blockchain.
- Worked on following AI & Data Science projects:
 - Bluetooth low energy microlocation asset tracking (ai fingerprinting, indoor floorplan layout detection, social interaction patterns identification with advanced data filtering approaches)
 - Smart building apartments' occupancy detection and prediction
 - Context-aware resource and service provisioning management in edge computing systems



Education

Aug 2016 - **Ph.D.: Highly Distributed Systems**

March 2021 *Faculty Of Sciences, University Of Novi Sad - Novi Sad*

- Dissertation: An Advanced Resource Management and Indoor Positioning Edge Computing Architecture

Jul 2015 - Jul 2016 **MsC: Computer Software Engineering**

2016 *University Of Novi Sad And University Of Bamberg - Europe*

- Thesis: Comparison of object-oriented (Java) and functional relational mapping (Scala)



Affiliations

Has been a member of many national, international and global non-governmental and governmental organizations. This includes collaboration/membership in:

- OBESSU
- EUCIS-LLL
- COE
- UNICEF

Has excellent skills in project management, advocacy, and lobbying, training and facilitation as well as European/global policies regarding education.



Languages

English



German



Russian



Hungarian

