



Zsolt Szalay

AI Engineer | Full Stack Developer | Technical Architect

Email: onlinestoreexpert@gmail.com | LinkedIn: [linkedin.com/in/zsoltszalay](https://www.linkedin.com/in/zsoltszalay)

Publications: <https://www.linkedin.com/in/zsoltszalay/recent-activity/all/>

Online CV: [BoostMagento.com](https://www.boostmagento.com) |

Own AI Projects: [Clusterify.AI](https://www.clusterify.ai) | [cXML.com](https://www.cxml.com) | [Headless.BLOG](https://www.headless.blog)

PROFESSIONAL SUMMARY

Forward-thinking AI Engineer and Technical Architect with 15+ years of experience bridging the gap between business strategy and complex technical execution. Expert in building scalable AI-driven SaaS (NextJS, NodeJS, Angular, Postgres, MongoDB, LLMs, AI Tools, RAG, GraphRAG) and high-performance e-commerce architectures. Pixel accurate front-end and integrations. Proven track record of leading international teams and delivering **4x Adobe/Magento certified solutions**. 15 years experience on the US and UK markets.

CORE TECHNICAL SKILLS

- **AI & Machine Learning:** Python (async APIs), RAG (GraphRAG), MCP, AI Agents, LLM Fine-tuning, LangChain, PyTorch, Pandas/NumPy and also with NodeJS and Typescript.
- **E-commerce:** Adobe Commerce/Magento Expert (Architect, Cloud), BigCommerce.
- **Full Stack & Web:** Next.js, React, Node.js, Angular, TypeScript, Python Back-end, Microservices.
- **Frontend:** CSS, TailwindCSS, Page load, performance and strong SEO/AEO
- **Infrastructure:** Docker, Elasticsearch, Redis, Varnish, MongoDB, PostgreSQL, Nginx....
- **SEO and AEO** deep understanding (in context with AI)
- **Leadership:** Strategy & Vision, Agile Team/Project Management, "Bridge" between the Business/Marketing and Technology, PCI-DSS Security Compliance, .

PROFESSIONAL EXPERIENCE

Architect & AI Engineer | **Headless.BLOG (SAAS)** 2026 - Present

- Design and build a headless blog/cms with Dashboard
- AI driven content management and specific recommendations

Architect & AI Engineer | **cXMLify.com (SAAS)** 2026 - Present

- Design and build a cXML Punchout Gateway
- AI based troubleshooting

Architect & AI Engineer | **Clusterify.AI** (Self-Project) 2024 - Present

- Architecting and developing a SaaS platform using NextJS, Node, Python and MongoDB.
- Implementing RAG-based chat systems and AI-driven product selection tools.
- Developing MCP (Model Context Protocol) servers to unlock real-time AI agent capabilities.

Team Leader Software Engineer / Architect | **Inquisicorp** (SonLight.com, BookShark.com) 2022 - 2025

- Led technical architecture and development for high-traffic educational e-commerce platforms.
- Designed scalable solutions with NextJS+MongoDB top on Magento 2.4 with high success.

Head of IT / Technical Architect | **BYL Connect** 2020 - 2022

- Architected a multi-Magento (Adobe) system supporting a large network of suppliers and thousands of seller stores.
- Managed high-performance architecture to handle concurrent data flow between B2B and B2C interfaces.

Lead Adobe/Magento Developer / Architect | **Mediotype (Blue Acorn iCi)** 2019 - 2020

- Worked on high-profile Magento Commerce Cloud projects (e.g., ZAGG),



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- Established coding standards and designed B2B modules from scratch.

Director of Technology | Bavarian AutoSport (BAVauto) 2017 - 2019

- Built a custom microservice layer (Python) between Ecommerce and ERP, utilizing Elasticsearch for real-time data handling.
- Implemented Kibana/Elasticsearch dashboards for real-time log analysis and attack detection.

KEY PROJECTS & ACHIEVEMENTS

AI Math Tutor for US Grade Levels | Educational Demo (multiple of them)

- Developed an AI math tutor leveraging RAG and specialized tools for specific curriculum needs.
- React based AI widgets (micro apps to visualize responses)

Real-Time Data Visualization System | BAVauto

- Built a system processing 10M+ hits during peak attacks without affecting database performance.
- Used Filebeat, Logstash, and Kibana to detect network anomalies and e-commerce troubleshooting.

CERTIFICATIONS

Adobe / Magento Certified:

- Adobe/Magento 2 Associate Developer (2019)
- Adobe/Magento Certified Developer Plus (2015)
- Adobe/Magento Certified Developer (2014)
- Adobe/Magento Certified Front-End Developer (2013)

Data Science & Marketing:

- Introduction to Data Science in Python - University of Michigan (2019)
- Hubspot Academy Inbound Certified (2017)
- Information Security Awareness (PCI-DSS) (2017)

Infrastructure:

- Citrix XenServer 6.0 Administration (2016)
- Oracle Education Study Certifications (6x - SQL, PL/SQL, DBA)

PUBLICATION

Publications:

<https://www.linkedin.com/in/zsoltszalay/recent-activity/all/>

- [Remote Code Execution Vulnerability in React Server...](#)
- [What Protocol should I use?](#)
- [AI-Driven Sales Growing: Maximize E-commerce ROI](#)
- [Magento 2.4.8 Security issue of GraphQL - Follow up!](#)
- [WARNING: GraphQL May Expose Promo Codes in Magento 2.4.8](#)
- [MCP Server, Part 2: Securing the Connection](#)

EDUCATION & OTHER INTERESTS

- Good background in Python Performance (PyTorch, NumPy/Pandas, LangChain).
- 10+ years PHP development
- Strong NodeJS, React and Typescript development, performance and security orientated
- Active contributor to the AI community with publications on LinkedIn regarding AI Agents, MCP servers and Tools.
- Interest in fish AI Disease Protection, Education Technology via AI and AI Recommendation and Prediction systems.



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