

Mirko Stanić

Enterprise Architect

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Summary

I am an Enterprise Architect and Product Director with 10 years of agile development and 5 years of agile management experience in a wide variety of information systems on a national level. I also serve as the Product Owner of the National Information System for Applications to Graduate Study Programs in Croatia (NISpDS). Through my work I am involved with learning credential digitalization development process in Croatia while also serving as a national representative for Croatia at the European Blockchain Partnership in both technical and policy groups.

Knowledge Areas

Frontend: JavaScript, TypeScript, jQuery, HTML5, CSS3, SASS, Angular, DHTMLX, Jest, Karma
Backend: PHP, C++, NodeJS, Python, Nginx, Bower, Parcel, Composer
Database: PostgreSQL, MySQL, MariaDB, Microsoft SQL, MongoDB
General: Linux, UML, Git, Agile, Scrum, Kanban, Jira, REST, Microservices, Docker, Enterprise Architect

Work History

 **IT Consultant**, European Commission April 2019 – Present

- Representative for Croatia on the European Blockchain Partnership in the areas of self-sovereign identity and digital diplomas. Through this function I started the initiative for digital diplomas in Croatia and also acted as Product Owner for establishment of the Croatian node of the European Blockchain Services Infrastructure (EBSI) network. The node consists of three virtual machines running Hyperledger BESU and Fabric blockchains with the third VM acting as a data storage and coordinating unit.

 **Technical Architect**, UNISOT AS October 2020 – Present

- Technical architect for the UNISOT.id self-sovereign identity framework. UNISOT is a Norwegian blockchain start up developing document and supply chain management on distributed ledgers.

 **Enterprise Architect**, Agency for Science and Higher Education (ASHE) September 2020 – Present

- Enterprise Architect for the feasibility report on the Croatian national strategy for digitalization of higher education. The report outlines current state of the art in other EU member states and provides technical architecture specification for the final solution.

 **Technical Lead**, Agency for Science and Higher Education (ASHE) July 2015 – October 2020

- Product Owner and initial Technical Lead of the national information system for applications to graduate study programmes in Croatia. I initiated the development of this new system which resulted in an increase in student vertical mobility by 40%. On the project I acted as the database designer, systems architect and later product owner in a team of 5 developers. A REST API was implemented for communication with other national systems such as taxation and citizen eID authentication system (eCitizen).


- I started the Croatian membership in the EMREX network for student record exchange and later started the product development process for of the Croatian National Contact Point on which I was the Systems Architect and Technical Lead. The NCP provided students access to digital transcripts of their grades and reduced administrative overhead for higher education institutions by 28%.
- Technical Lead and Scrum Master on behalf of ASHE in the Croatian consortium formed by the Croatian Ministry of Public Administration and tasked with implementing the eIDAS directive across Croatian eID services. This enabled EU citizens to utilize their existing country eID for access to Croatian education systems.


 **Software Engineer**, Agency for Science and Higher Education (ASHE)

March 2011 – June 2015

- Lead information systems developer on a web application for the purpose of studying student choices, developed for a research project, Demand for College, College Choice and Information Asymmetry, which ASHE conducted in association with Princeton University, USA. The application was implemented using agile development methodologies
- Product Developer and agile director on the Croatian national database for secondary education state level competitions which enabled automated exchange of said records for purposes of enrolment into higher education.

Education

 **Master of Science in Information and Communication Technology**, 2008 – 2010
University of Zagreb, Faculty of Electrical Engineering and Computing

 **Bachelor of Science in Computing**, 2005 – 2008
University of Zagreb, Faculty of Electrical Engineering and Computing

Courses taken: Communication Protocols | Distributed Systems | Information Networks | Digital Logic | Databases | Algorithms and Data Structures | Object Oriented Programming | Web Software Development | Bioinformatics | Pattern Recognition | Computer Vision | Real-Time Systems | Discrete Mathematics

Publications

Conferences: Continuous User Verification Based on Behavioural Biometrics Using Mouse Dynamics, Proceedings of the ITI 2013 35th International Conference on Information Technology Interfaces, Dubrovnik, Croatia, 2013.

Decentralized verification infrastructure for documents anchored to blockchain, EUNIS 2019 Annual Congress, Trondheim, Norway, 2019.

Competencies

Analytical: Problem-solving | Data analysis | Organisation | Agile and Scrum | Multi-task

Interpersonal: Active Listening | Flexibility | Teamwork | Problem solving | Customer needs

Languages

Croatian: Native or bilingual proficiency

English: Professional working proficiency

German: Elementary proficiency