

# Mario Šomodi, B.Comp.Eng.

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## Employment History

Oct. 2022. – .....

### FINA - Financijska Agencija

**Software Engineer** in Zagreb, Croatia.

Responsibilities:

- Played a key role in integrating NIAS with government registries, expanding the service range, leading system integration to ensure seamless transitions and new version deployments, and providing technical support for uninterrupted NIAS operation.
- Collaborating as an eIDAS expert to facilitate foreign user access and ensure cross-border service continuity via direct communication with foreign member states.
- Maintaining and enhancing the codebase for system reliability and security.
- Conducting development assessments to estimate resource requirements and mentoring several students to pass on knowledge and expertise.
- Managing several small projects, including communication validation for Croatian banks, the internal phone registry for FINA, and FINA's job application website.

May. 2021 – Oct. 2022.

### FINA - Financijska Agencija

**Student Job - Software Engineer** in Virovitica, Croatia.

Responsibilities:

- Developed a feature-rich app in Blazor technology for students that is now used daily by all students in FINA, created a responsive, user-friendly frontend that is used as an interface to track work hours, log daily activities, enhance the students and mentors user experience, handled both frontend and backend development, contributing to core application elements and REST API development.
- Made frontend and backend adjustments for Info.BIZ, including changes in the presentation of blockades for bank accounts and contributed to the creation of a REST API for package purchases within the Info.BIZ application.
- Gained experience in full-stack development, microservices architecture, and REST API creation.

## Education

Sep. 2022. – .....

### Master's degree in Applied Computer Engineering

**Algebra University College** in Zagreb, Croatia.

Thesis title: *Development of warehouse management system with advanced controls and demand forecasting.*

Oct. 2019. – Sep. 2022.

### Bachelor's degree in Computer Engineering

**Virovitica University Of Applied Sciences** in Virovitica, Croatia.

Thesis title: *Development of the server part of the application using the node ecosystem.*

Link to thesis: <https://dabar.srce.hr/islandora/object/vsmti%3A754>

## Education (continued)

Sep. 2015. – May. 2019.

- **High School Diploma** in Electrical Engineering  
**High School Marka Marulića** in Slatina, Croatia.  
Thesis title: *Arduino robot*.

## Projects

Imageverse

- **Frontend source:** <https://github.com/MarioSomodi/Imageverse>  
**Backend source:** <https://github.com/MarioSomodi/Imageverse-API>

**Key takeaways:**

- Understanding of clean architecture and domain driven design
- Deeper understanding of entity framework via extensive custom configurations
- Usage of patterns such as CQRS, Mediator, Repository, Builder, Factory
- Domain entity event driven reflections on certain events
- Authentication and authorization via JWT

## Skills

Languages

- Strong reading, writing and speaking competencies for English, native knowledge of Croatian.

Coding

- C#, .NET (Core, Framework), ASP.NET (Core, Web API), SQL, XML, JSON, SAML, Entity Framework, SOAP...

Databases

- MySQL, MS SQL, Firebase Realtime database, Firebase Firestore, Oracle database.

Web Dev

- HTML, CSS, JavaScript, React.Js, TypeScript, Node.js, Blazor, ASP.NET MVC.

Tools.

- Git, Jira, Confluence, Swagger API, JWT.

Misc.

- OIDC protocol knowledge, Scrum knowledge, Team player, Communicative.