

TEODOR ĐURIĆ

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EDUCATION

Faculty of Technical Sciences

Bachelor's in Software Engineering and Information Technologies

Novi Sad, Serbia

Jul. 2021 – Present

EXPERIENCE

Software Engineer

Soft-tronic

Jul 2023 – Dec 2024

Senta (Remote from Novi Sad)

- **Architected and implemented SmartServe, a full-stack SSR framework**, leveraging inversion of control and dependency injection to ensure a modular, maintainable codebase.
- **Collaborated** on various PHP projects, contributing code and assisting with development tasks.
- **Mentored** interns in coding skills and best practices, fostering a culture of knowledge sharing.
- **Spearheaded** the adoption of Git and GitHub within the company by pitching, preparing, and then delivering a presentation to the entire company on the benefits and usage of Git and GitHub.
- **Created scripts** using Python to scrape the client's old website for photos and information, and utilized the WordPress API to automate the creation of posts, significantly reducing manual data transfer efforts.
- **Automated** the process of loading smartcard information into web forms on a website using C++ and a government API coupled with a minimal local server to serve generated JSON data to the website.
- **Optimized** and cleaned up poorly designed and neglected databases.
- **Proactively addressed infrastructure needs** by taking on DevOps responsibilities.
 - * **Dockerized existing projects** supporting hundreds of heat pumps (bes.rs) consisting of microcontroller backends, app backends (BES Heat Pump Controller) and the administrative webpage.
 - * **Configured and maintained** the physical servers hosting the BES partner's software solutions.
 - * **Developed GitHub Actions workflows** that automatically deploy updates to servers over SSH upon detecting new tags, significantly reducing manual deployment efforts and minimizing downtime.

SELECTED PROJECTS

SmartServe | *Go, Echo, Docker, MySQL, GORM, Git, GitHub Actions*

Feb 2024 – Dec 2024

- **Designed a flexible, decoupled architecture** that allowed component reuse across multiple projects, demonstrating the framework's scalability and flexibility. (e.g., SmartServe-Table, SmartServe-Hotel)
- **Developed SmartServe-Core**, a central library providing essential functionalities.
- **Implemented inversion of control** by using dependency injection and defining clear interfaces, enabling the framework to manage application flow and enhance extensibility.
- **Optimized performance and scalability** by continuously reducing complexity where it isn't needed.
- **Automated testing and deployment** using GitHub Actions, ensuring code quality and streamlining CI/CD.

SmartServe-Table (Food Plaza) | *Go, SmartServe, Templ (Go), HTMX, JavaScript, HTML/CSS*

May 2024 – Dec 2024

- **Developed a full-stack web application** for restaurant management using the SmartServe framework.
- **Engineered dynamic, responsive user interfaces** using HTMX reducing reliance on complex JavaScript.
- **Integrated QR code functionality** to enable seamless table ordering, enhancing customer experience.
- **Conducted end-to-end testing** with Selenium and Nix shell to ensure reliability and robustness.

Nebula | *Rust*

github.com/drag0dev/nebula Jul 2023 – Sep 2023

- **Co-developed a key-value NoSQL database** in Rust for a university project, demonstrating adaptability and the ability to quickly learn and apply new programming paradigms.

Additional Projects | github.com/teodord25

TECHNICAL SKILLS

Languages: Go, Python, Rust, JavaScript, PHP, HTML/CSS, Bash, Java, C#, C++, Nushell, SQL, Lua, Nix

Frameworks: SmartServe (in-house custom), Echo (Go), Angular, WordPress

Developer Tools: Neovim/Vim/Vi, Docker, SSH, TMUX, Git, Github Actions, Nix Shell, VS Code, Visual Studio

Libraries: HTMX, Templ, React, GORM

Technologies: Linux, MySQL, PostgreSQL, NixOS, Nix, LaTeX

Natural Languages: Serbian (native), English (fluent), Hungarian (fluent)