

# TEODOR ĐURIĆ

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[github.com/teodord25](https://github.com/teodord25)

## EDUCATION

### Faculty of Technical Sciences

*Bachelor's in Software Engineering and Information Technologies*

Novi Sad, Serbia

*Jul. 2021 – Present*

## EXPERIENCE

### Software Engineer

*SOFTTRONIC DOO*

Jul 2023 – Present

*Senta (Remote from Novi Sad)*

- **Architected and implemented the SmartServe Framework**, leveraging inversion of control and dependency injection to create a scalable and maintainable modular architecture.
- **Collaborated** on various PHP projects, contributing code and assisting with development tasks.
- **Mentored** an intern 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 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.
- **Proactively addressed infrastructure needs** by taking on DevOps responsibilities.
  - \* **Dockerized an existing project** supporting hundreds of heat pumps (bes.rs) consisting of microcontroller backends, app backends (BES Heat Pump Controller) and the administrative webpage.
  - \* **Configured and still maintain** 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 Framework | *Go, Echo, Docker, MySQL, GORM, Git, GitHub Actions*

Feb 2024 – Present

- **Designed and implemented** a flexible, decoupled architecture allowing for the reuse of components across various hospitality applications (e.g., SmartServe-Table, SmartServe-Hotel).
- **Developed SmartServe-Core**, a central library providing essential functionalities like database management, authentication, and QR code generation.
- **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 – Present

- **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](https://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](https://github.com/teodord25)

## TECHNICAL SKILLS

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

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

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

**Libraries:** HTMX, Templ, React

**Technologies:** Linux, NixOS, MySQL

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