

Kevin Nemeržitski

KNEMERZITSKI.COM | GITHUB.COM/KNEMERZITSKI | LINKEDIN.COM/IN/KEVIN-NEMERZITSKI | HELLO@KNEMERZITSKI.COM

Self-driven engineer with over a decade of programming experience and a Computer Science degree. Built and deployed full-stack applications, including a [real-time collaborative note-taking app](#) using TypeScript, GraphQL, and AWS. Strong problem-solver with broad technical skills and a focus on building useful, production-ready software.

PROJECTS

Real-time Collaborative Notes App

TypeScript | React | GraphQL | WebSockets | MongoDB | DynamoDB | AWS Lambda | AWS CDK | PWA

[Live Demo](#) | [GitHub](#)

A modern, serverless web app for real-time note-taking with multi-user collaboration, offline support and per-user history.

- Engineered **per-user local history** that works with real-time **operational transformation**.
- Implemented **live multi-user editing** via **WebSockets**, including caret position tracking.
- Built full **offline support** using PWA and auto-resync on reconnect.
- Developed **secure session management** with HTTP-only cookies.
- Added **multi-account support**, including a fully local-only mode with no server persistence.
- Designed flexible UI with **drag-and-drop**, responsive layout, and dark mode.
- Automated deployment using **AWS CDK** to provision a fully **serverless** backend on **Lambda**.
- Adapted an open-source base into a reusable internal package for managing **GraphQL subscriptions** with **DynamoDB**, enabling scalable real-time features.

Saunahouse Configurator – Custom WordPress Plugin

Vue.js | PHP | REST API | MySQL

[Live Website](#)

A single-page application that lets clients configure a custom sauna and submit quote requests, streamlining the sales process.

- Built a **dynamic form system** with flexible templates and a full-featured admin interface.
- Integrated **RESTful API** for efficient client-server communication.
- Chose Vue.js to enable a reactive UI and overcome WordPress's static page limitations.

Personnel Registration App – JavaFX & WPF

Java | JavaFX | C# | WPF | PC/SC | Excel I/O

[GitHub JavaFX](#) | [GitHub C#](#)

A desktop application for efficient personnel registration using Estonian ID-cards and multiple smart card readers.

- Engineered **multi-threaded smart card reader support** with individual feedback windows.
- Built a **JSON-driven schema system** for dynamic form generation and column layout.
- Implemented **Excel import/export** with automated merging of data from multiple sources.
- **Ported from JavaFX to WPF** to gain C# experience and leverage language-specific features.

EDUCATION

B.Sc. in Computer Science

University of Tartu | 2013 – 2016

- Thesis “Synchronized document viewer development for mobile devices” (C++, Qt)

WORK EXPERIENCE

Technical & Visualization Specialist

SQUARE Saunahaus OÜ | 2020 – Present

- Create realistic 3D visualizations and construction animations using **Blender** for proposals and client presentations.
- Develop and maintain a custom **WordPress** plugin to simplify client quote requests via dynamic configurator.
- Maintain company website in a managed infrastructure.
- Provide internal tech support and hardware/software consultation.
- Produce construction-ready 2D plans using **SketchUp**, exported for CAD-based workflows.
- Use **scripting tools** to automate visualization setup and generate parts lists, streamlining project delivery.

IT Support Specialist

Türi Kindergarten | 2018 – Present

- Provide ongoing IT support for staff, including troubleshooting and maintaining **computers, printers, and local network**.
- Refurbish and upgrade hardware to extend device lifespans and reduce costs.

SKILLS

- *JavaScript (ES6+) | TypeScript | React | Node.js | GraphQL | WebSocket | Vue.js*
- *PHP | Java | C# | MongoDB | MySQL | Git | Linux*
- *AWS | Serverless | Docker | Blender | Sketchup Pro*