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MATEUSZ ŚLIWOWSKI

BACKEND WEB DEVELOPER



ABOUT ME

Backend-oriented Web Developer (Node.js) with approximately 10 months of professional experience (internship + project work).

On a daily basis, I work on the backend, integrations, and maintenance of web applications—both as part of a team and by independently completing tasks.



EXPERIENCE

11.2025 — 04.2026

Web Developer

JSON Crew Sp. z o. o. / remote

- Developed web applications on a CMS + JavaScript stack: delivered 6 projects and completed 7 migrations (including environment migrations and stack upgrades), prioritizing stable deployments and continuous maintenance.
- Backend & APIs: designed and implemented server-side logic and endpoints, integrated with the frontend and existing product modules (end-to-end data flow from requests to the UI).
- Systems integration (E2E): independently scoped and implemented e-commerce integration with GoPOS—from requirements through implementation to go-live and post-release support—ensuring operational data sync and reliable cross-system communication.
- Full-stack delivery: built frontend components and UI logic (state, interaction patterns) alongside server-side features, shipping functionality from the data layer to production.
- Process leadership (AI): proposed and rolled out AI-assisted workflow improvements—including tooling setup (Cursor, MCP) and team training—reducing time from idea to implementation (confirmed in employer reference, COO).

08.2025 — 11.2025

Web development Internship

JSON Crew Sp. z o. o. / remote

- Implementation of full-stack tasks in an incremental cycle: successive deployments of UI modules and application logic, along with integration with the backend/API and retrieval of content from a CMS operating in a headless model (data consumption via public endpoints, mapping to views).
- Closing the end-to-end loop: from aligning views and states to handling edge cases with data from external content sources; iterative delivery of changes in response to updates in requirements and guidelines.
- Teamwork and quality: clarifying implementation details with developers and designers, conducting code reviews, and making quick fixes based on feedback; maintaining coding standards and reorganizing existing code snippets as part of ongoing tasks.



IT TOOLS AND SKILLS

Software Design and Architecture (Clean Code, Clean Architecture, Design Patterns, SOLID)

Languages and runtime: JavaScript (ES6+), TypeScript, Node.js

Frameworks: Next.js (React), NestJS, Express.js

Databases: MySQL, PostgreSQL. Administration: pgAdmin, phpMyAdmin.

DevOps/CI: NGINX, Jenkins, Docker

AI: Application integrations with LLM, MCP (integration and server setup), prompt engineering



PROJECTS

Unified Agent Context System (MCP)

Unified Agent Context System (MCP) – A modular MCP server deployed on a VPS, acting as

a shared tool layer for multiple applications within a Docker-based environment. The architecture is based on a core / transport / modules separation, with dynamic tool loading via a ToolRegistry.

The system supports two communication modes: HTTP (Streamable MCP over Express with session handling and token-based authentication) and STDIO for local Node.js clients.

The project is designed as a modular context platform for AI-powered applications, enabling tool isolation and reuse across multiple clients while maintaining a consistent and extensible architecture.

My page

A presentation web application using server-side rendering (SSR), providing improved performance and SEO. The application includes an AI assistant module that enables interactive presentation of projects and user experience. The assistant is powered by an LLM model (Anthropic).

Integration with a custom MCP system (Unified Agent Context System) allows to provide contextual data about projects and skills.

The project combines a traditional SSR-based web application with AI-driven functionality and a backend context layer.

Notes web application

A web application built on a REST API with a frontend layer, currently undergoing refactoring from Express.js to NestJS to improve maintainability, modularity, and separation of business logic.

The system includes user authentication and CRUD operations for notes with additional metadata (priority levels, user profile data). The project is used as a base for backend architecture migration and refactoring practice.

Web home budget manager

A shared household budgeting app: households, user invitations, spending statistics. Backend (Express.js, MySQL) with an early implementation of multi-tenancy (data isolation per household), JWT (cookies), host/household member roles, Socket.IO, Swagger, deployment in Docker + NGINX.



CERTIFICATES

04.2026

Introduction to Model Context Protocol & Advanced Topics
Anthropic

07.2024

Attacking and protecting web applications
Niebezpiecznik.pl

06.2025

Websecurity Master from Sekurak - advanced module
SECURITUM



LANGUAGES

Polish - native

English - B1



PAGES AND SOCIAL MEDIA PROFILES

Web page

LinkedIn

Github

I agree to the processing of personal data provided in this document for realising the recruitment process pursuant to the Personal Data Protection Act of 10 May 2018 (Journal of Laws 2018, item 1000) and in agreement with Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation).