

# Yasen Dimitrov

[y\\_dimitrov@ymail.com](mailto:y_dimitrov@ymail.com) | +359 882 392 556 | Sofia, Bulgaria | [GitHub](#) | [Portfolio](#)

## Skills

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**Languages:** TypeScript, JavaScript, PHP, Python, SQL, HTML/CSS

**Technologies:** React, Node, Next.js, NestJS, Redis, RabbitMQ, Docker, Playwright, Git, MongoDB

## Work Experience

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**Full-Stack Software Developer**, MClimate – Sofia, Bulgaria Mar 2024 – Present

- Designed and implemented a custom rules engine (backend and frontend) enabling users to define device-triggered automations; currently powering 500+ active rules across the client base
- Led Meilisearch integration into the main IoT platform, reworked backend microservices (PHP API, NestJS), and implemented frontend updates, deploying a dedicated Meilisearch instance in Docker Swarm — achieved a 10x improvement in search performance
- Migrated the main IoT platform frontend from JavaScript to TypeScript, improving code maintainability and reliability, and introduced pre-commit hooks and git commit standards across the team

**Technical Consultant**, FactSet – Sofia, Bulgaria May 2022 – Mar 2024

- Utilized advanced SQL techniques to interface with client databases
- Performed data extraction, transformation, and optimization of financial datasets

## Projects

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### RecipeHub: Cooking Platform

- Built a multilingual recipe platform with Next.js 15, enabling users to browse, rate, and comment on recipes; create and share personalized collections; and access videos and culinary articles
- Implemented the frontend with React 19, Tailwind CSS and shadcn/ui for a responsive and accessible UI
- Developed the backend using Supabase (authentication, PostgreSQL DB, edge functions) for scalable, serverless operations
- Integrated Meilisearch with Supabase webhooks for instant search and real-time synchronization

### Mangify: Dynamic Meal Planner

[View Mangify](#)

- Developed a full-stack meal planner with active users using TypeScript, PostgreSQL, Express, React, and Node
- Architected the backend with REST APIs, using Redis for secure server-side user sessions and data caching, Mailgun for user verification emails, and Firebase for social logins
- Conducted end-to-end testing using Cypress and unit tests with Jest, ensuring the stability of the application
- Containerized the entire web app and established a CI/CD pipeline for automated deployments on Hetzner

### Portfolio: Personal Website

[View Portfolio](#)

- Built a responsive portfolio website with Next.js, written in TypeScript with React and styled with Tailwind CSS

## Education

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**University of Helsinki**, Finland – Full Stack Web Development June 2023

**University of Catolica**, Portugal – Master in International Business Law July 2015

**University of Manchester**, UK – Bachelor of Law June 2013