

# Patrick Hansen

## Software developer



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### 🎓 Education

#### Bachelor Software Development

Erhvervsakademi Sydvest, Esbjerg  
01/2019 – 06/2020 | Esbjerg

#### Computer Science

Erhvervsakademi Sydvest, Esbjerg  
08/2016 – 01/2019 | Esbjerg

### 🧠 Frontend

- Vue.js (2 & 3, Pinia)
- TypeScript/JavaScript
- Responsive design & SCSS
- REST API - frontend integration
- UX understanding (worked with designers, Adobe XD)
- Forms, validering, popups m.m.
- Composition API

### 👤 Profile

Full-stack developer with experience in Vue 2/3, TypeScript, and .NET. I thrive working across frontend and backend and focus on building stable, reliable and user-friendly solutions.

I work in a structured way, am curious by nature, and communicate clearly across teams. I am comfortable working with development, operations, and support tasks, where I can help others move forward effectively.

### 👛 Professional Experience

#### Fullstack - Developer tasks

Det Faglige Hus, Esbjerg

03/2021 – 10/2024 | Esbjerg

- Developed and maintained **Vue 3 + TypeScript solutions** (both solo and in teams), including building an internal system from scratch.
- Developed **.NET backends** with integrations such as RabbitMQ and webhooks, and improved logging and error handling.
- Implemented **Hangfire automations** for daily workflows used by multiple teams.
- Worked on the membership enrollment platform: initially responsible for frontend, later taking over backend and database tasks.
- Developed an internal SMS application in a **full-stack** setup, used by multiple departments for member communication.

#### Service and Support

- **Primary responsible developer** for tasks coming from the service portal (TopDesk).
- Troubleshooting, data quality improvements, code changes, and minor feature development across systems.
- Close collaboration with employees and users to clarify requirements and ensure robust, practical solutions.

#### Results and Responsibilities

- Co-developed and was responsible for large parts of the new **membership enrollment** website (frontend + backend), used daily by 1,000+ users and supporting an organization with 253,000+ members.
- Reduced manual handling of member communication through automated workflows.
- Contributed to improved stability and operational reliability through better logging and more reliable integrations.

### 📖 Courses

#### Course: Communication in Practice (SmartAcademy)

11/08/2025 – 17/10/2025

Completed a professional module focused on practical communication. The work included written, verbal, and digital communication, as well as de-escalation and conflict management.

#### Topics included:

- Active listening, questioning techniques, and feedback

## Backend

- .NET/C#
- REST API
- Hangfire (background jobs)
- RabbitMQ (queues & integrations)
- JWT/Authentication
- Swagger (API-dokumentation)

## Data & Integration

- SQL & MongoDB
- Migrations & Data modeling
- Webhooks
- Data extraction (Excel, archiving, etc.)

## Devops & Quality

- Azure DevOps (CI/CD, boards)
- Unit tests & smoke testing
- Logging & Troubleshooting
- Snyk (security scanning)

## Support & Communication

- Troubleshooting & problem solving
- Customer & employee communication
- Service portal (TopDesk) - first responsible

## languages

**Danish**  
Native

**English**  
Fluent

**German**  
Conversational

- Clear communication tailored to different target audiences
- Conflict management and dialogue in high-pressure situations
- Planning communication within teams and organizations

**Result:** Improved collaboration, expectation alignment, and clear communication — especially in technical contexts.

## Projects I Am Particularly Proud Of

### **SMS Application (Internal Tool)**

#### **Backend, frontend, database & deployment (built from scratch)**

- Designed and developed a complete SMS system for sending messages to external recipients.
- Handled department-based templates, queues, logs, status updates, and data storage.
- Supported both bulk messaging and single SMS messages, as well as creation and editing of templates.
- Set up and deployed the solution via Azure DevOps.

**Value:** Faster and more traceable communication — significantly reducing manual work for employees.

### **Primary Developer of Administration Module (AMI) for Enrollments**

#### **Full-stack developer – frontend → backend & database**

- Built a module for managing membership enrollments and education data.
- Enabled opening enrollments as PDFs or in external systems.
- Developed union and unemployment fund calculations to display potential savings.

**Value:** Simplified handling of enrollment data and flows, making it easier and faster for employees to assist members.

### **Membership Enrollment Platform**

#### **Full-stack developer – frontend → backend & database**

- Helped build and maintain the new enrollment website.
- Worked with forms, validation, integrations, and data handling.
- The solution is used daily by 1,000+ members and employees and supports an organization with more than 253,000 members, handling high, day-to-day usage reliably.

**Value:** A more stable enrollment process and significantly reduced manual follow-up, as only valid data can be created in the system.