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PROJECTEN

APPLICATIONS FOR ENERGY DISTRIBUTION COMPANY

For the final project of my second year, we collaborated across the entire program. Those of us in the Application Development track were tasked with building a range of applications for an energy company. This primarily involved developing both a customer and employee portal.

I was part of the Invoice team, where I focused mainly on backend work. This included sending monthly and yearly personalized invoices to customers, using cron jobs and a well-structured database system.

In addition to my work on invoices, I also contributed to various other areas of the group project where needed. For example, I implemented a password reset token system via email, helped integrate several major modules, and developed a reminder system. I was also involved in creating the initial ERD (Entity Relationship Diagram).

The frontend was built using the Laravel framework, the backend was in PHP, and the database used was MySQL.

TO-DO LIST APP & WEBSITE

A website for creating to-do lists, where users can check off tasks and sort lists by category. This project was developed both in Android Studio and in Angular. The database and real-time data handling were managed using Firebase.

BOOK CATALOGUS

For this project, I developed a book catalog application using C# with .NET, Entity Framework, and ASP.NET. The application allows users to add, edit, delete, and search for books based on title, author, or genre.

I used Entity Framework for database management, which made it easy to link C# data models to the SQL database. ASP.NET was used to build the web interface, and I implemented REST APIs to handle data efficiently.

EIGEN PROJECTEN

My passion for coding is quite strong. I often work on mini-projects in my free time. For example, I've created a draft version of a drawing studio in Angular. It includes basic features like drawing and erasing, as well as drag-and-drop functionality.

I also took the initiative to explore Flutter on my own. I'm currently working on a mood tracking app that allows users to monitor their emotions, which are then visualized in a clear overview.

LICENSE MANAGER (INTERNSHIP)

During my internship, I developed a modern full-stack solution to replace the outdated license management system of a software company. The technology stack included Vaadin (frontend), Spring Boot (backend), and PostgreSQL.

My responsibilities included:

- Setting up REST APIs, API key generation, and implementing SSO via OpenID Connect for LDAP integration
- Creating a notification system
- Using Liquibase for database migrations
- Deploying the application via AWS
- Implementing CI/CD pipelines using Jib, Helm, and GitHub Actions

Result: A scalable and maintainable application for license management.

OOPLEIDING

2015-2021

DIPLOMA TSO 3^{DE} GRAAD SECUNDAIR ONDERWIJS HEALTH AND WELFARE SCIENCES/ SINT-NORBERTUS INSTITUUT, DUFFEL

This program prepared us for careers in the healthcare and social sectors. We studied human development across all life stages to be able to provide appropriate care for everyone. Through this education, I learned the importance of balancing quality and efficiency.

2022-2025

BACHELOR IN ELEKTRONICS-ICT/ THOMAS MORE, SINT-KATELIJNE-WAVER

I eventually realized this is the career path I truly want to pursue. This program has taught me a great deal already. We're expected to quickly learn new programming languages, work under tight deadlines, and collaborate effectively to deliver a high-quality final product.

LANGUAGES

- C, C++, C#
- Python
- Java
- SQL (MySQL, PostgreSQL)
- NoSQL (MongoDB)
- PHP
- Javascript
- Dart

WEB DEVELOPMENT

- HTML & CSS
- Javascript & Typescript
- Angular
- Laravel
- Vaadin (Java)
- Qt (C++)
- .NET (C#)
- Spring (Java, Spring Data, Spring Security, Spring Batch)
- Node.js

API'S

- OAuth2
- OpenID Connect (OIDC)
- JWT
- RESTful API's

APP DEVELOPMENT

- Android (Kotlin)

CROSS-PLATFORM APP DEVELOPMENT

- Ionic (Angular)
- Flutter (Dart)
- Electron (Javascript, Node.js)

DEVOPS

- Git, Github
- CI/CD (Github Actions, JIB)
- Docker
- Postman
- Helm
- Kubernetes

CLOUD

- AWS
- Firebase

TESTING FRAMEWORK

- Junit
- Jest
- xUnit

