Gabriel Uwaila

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Profile

Dynamic Software Engineer Intern with extensive experience in project management and software development, demonstrating a commitment to delivering high-quality solutions within deadlines. Expertise in programming languages such as Java and C#, complemented by proficiency in developing RESTful APIs and microservices. Adept at optimizing system performance and enhancing user experiences through innovative software solutions. Passionate about leveraging skills in full-stack development and database management to drive impactful technological advancements.

Professional Experience

IT Assistant (Student) and Student Software Developer, Fujifilm Electronic Materials, Zwijndrecht, Flemish Region, Belgium
Sep 2025 — Present

- Collaborate with Infrastructure Team Lead to support IT operations and administrative tasks.
- Maintain and enhance C# Blazor web application developed for FUJIFILM.
- Create automation scripts in PowerShell for upgrading Cisco network switches; configure and service switches and upgrade PC hardware.
- Document IT processes and create user guides for internal staff training.
- Gain hands-on experience in software maintenance and digital infrastructure.

Software Engineer Intern, Fujifilm Electronic Materials, Zwijndrecht, Flemish Region, Belgium
Feb 2025 — Jul 2025

- Developed Asset Management System (AMS) to track IT equipment for efficient resource management.
- Managed device tracking with serial numbers, logging actions like borrowing and returning.
- Integrated user account permissions for automated role handling.
- Employed .NET, Blazor Server, SQL Server, and Dapper for full-stack development.
- Gained expertise in database design, authentication, and deployment issues.

Projects

Asset Management System, at FujiFilm

- Built enterprise-ready Asset Management System web app with .NET 9, Blazor Server, C#, and SQL Server (Dapper ORM)
- Enabled device tracking, real-time inventory, transaction and audit logging
- Implemented user/role management with Windows Authentication and Active Directory integration
- Used modular REST API (C#/Blazor), Bootstrap 5 UI, and secure IIS deployment
- Applied full-stack development, API design, database modeling, and enterprise authentication for scalable IT asset control

Keep Dishes Going (KDG) backend project, at Karel De Grote Hogeschool

- Built Spring Boot backend with hexagonal architecture and Domain-Driven Design
- Added menu and dish management, basket/order workflow, and scheduled publishing
- Enabled business hours detection and event-driven logic (Spring Modulith ready)
- Integrated REST APIs, PostgreSQL, MapStruct, Keycloak authentication, and Stripe payments
- Used clean domain models, thin controllers, and separated business logic efficiently

Food Delivery Frontend (React/TypeScript/Vite), at Karel De Grote Hogeschool

- Built a responsive food delivery frontend with React, TypeScript, Vite, and Keycloak authentication
- Developed features for browsing restaurants, menus, search/filtering, and order placement
- Created owner dashboard for restaurant management with secure routing and real-time updates
- Used Material-UI, SCSS, React Query, and Axios for UI, styling, and data handling

Project: Credit Card Fraud Detection, team QWERTY

- Built credit card fraud detection system on Kaggle dataset using Random Forest and SMOTE sampling
- Achieved high accuracy (ROC AUC 0.97, F1 0.83); project delivered as FastAPI REST API for predictions
- Contributed: data analysis, modeling, and deployment in a collaborative team

Education

Karel de Grote-Hogeschool, Antwerp, Belgium
Applied Computer Science - BASc, Aug 2026

Final year bachelor's in Applied Computer Science with in-depth training in software development, programming, databases, IT infrastructure, and data science. Gained practical experience in machine learning, cloud technologies, and AI through project-based modules and teamwork. Developed strong skills in full-stack engineering, business collaboration, and problem-solving in real and simulated tech environments. Enhanced my professional profile with hands-on internships and international study exposure.

Technical Skills

Programming Languages	Java, C#, TypeScript
Back-End Development	Spring Boot, RESTful APIs, Microservices, .NET
Front-End Development	React.js, HTML/CSS, Blazor, Bootstrap
Databases & Data Management	PostgreSQL, SQL Server
Tools & Processes	Git (Version Control), Docker, Unit Testing

Extra-curricular activities

Peer Tutoring, Karel De Grote, Hogeschool, Antwerp, Belgium
Sep 2025 — Present

Peer Tutoring first year students on Programming fundamentals in java.

Live Mix Engineer, Self Employed, Belgium
Aug 2024

Self-taught Live Mix Engineer, specializing in sound mixing for various events.

References

Marcel Lucas (IT Manager) from FUJIFILM Electronic Materials

Nick Van Beirendonck (Infra Team Lead)

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Additional Information

Links: LinkedIn, Portfolio Website - gabrieluwaila.com
Languages: English, French, Dutch