

# Abdelrahman Dimah

## Senior Software Engineer

Founder of ITsGenius, the Brussels software studio behind SquadUp

Brussels, Belgium

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Passionate about art, business and emerging technologies, I constantly seek new IT experiences. Through my travels, I have seen how much computer science has influenced the world. As a natural problem solver, I thrive in teams or working solo. I am eager to take on new challenges and committed to finding solutions.

Full stack engineer building web, mobile and back-end systems in production since 2019, across fintech, pharma and the public sector. Founder of ITsGenius: AI and LLM engineering, mobile apps, backends and payments, cloud and automation.

## ■ Experience

### Founder · ITsGenius, Brussels

Ongoing

Independent software studio. I built and operate SquadUp, an iOS and Android app for organising recurring group sports and events, with seat limits, cost splitting, Stripe Connect and Bancontact payments, shipped in 10 languages. I also run internal AI tooling in production (agents, MCP servers, RAG and verification workflows) and deliver websites and tools for clients, from first brief to production.

**Stack:** React Native / Expo / .NET / MySQL / Python / Claude & OpenAI APIs / MCP / Stripe / Docker / GitHub Actions / Cloudflare / Sentry / PostHog

### Software Engineer · bit4you

Apr 2021 - Present

As a member of the bit4you team, I worked on various aspects of the platform's development, including front-end and back-end web features as well as the iOS and Android native applications. I was responsible for implementing the source of funds for the KYC process and verifying user identities. I played a role in managing and processing data, contributing to projects focused on user SEPA deposits and withdrawals, blockchain deposits and withdrawals, staking, and stop-loss and take-profit positions. I also worked on the front-end of the landing page, the back-end of the OpenID and authentication processes, and approximately 70 microservices.

**Stack:** C# / .NET / Blazor / Java / SpringBoot / VueJS / Nuxt / React / React Native / Node.js / Go / Python / PHP / VB / Razor / Angular / jQuery / TypeScript / MySQL / T-SQL / MongoDB / Percona / Elasticsearch / Docker / Kubernetes / Kafka / Hangfire / OAuth / xUnit / Selenium / Moq / PowerShell / AWS

### Software Engineer · Johnson & Johnson

Nov 2020 - Apr 2021

At JNJ, I developed software tools aimed at improving workplace safety and efficiency, including a system for reserving workspaces to maintain social distancing during the COVID-19 pandemic. I also contributed to software for tracking laboratory locations and the condition of cages used in critical vaccine testing processes. These experiences equipped me with valuable skills in project management, software development and data analysis.

**Stack:** C# / ASP.NET Core / Angular / React / JavaScript / jQuery / RESTful APIs / LINQ / Entity Framework / Microservices / MVC / WCF / SQL Server / phpMyAdmin / AWS / Azure DevOps / Agile Scrum

## Software Engineer • Realdolmen, Intern Projects

Jan 2020 - Nov 2020

I was involved in the Time Sheet Management (TRM) project: developing a new software solution to replace the outdated and bug-ridden system in use. Working closely with the development team, I contributed to the design and implementation of the new software, addressing key issues and incorporating user-friendly features.

**Stack:** Angular / React / C# / Java / SQL / TypeScript / JavaScript / jQuery / LINQ / RESTful APIs / RabbitMQ / ASP.NET Core / Entity Framework / Hangfire / MVC / MVVM / WCF / TFS (Azure DevOps) / MS SQL Server

## Software Engineer • Fostplus

Nov 2019 - Dec 2019

At Fostplus, I played a key role in developing new features for a software solution streamlining the collection of recyclable materials in Brussels. Collaborating closely with a team of developers and stakeholders, I helped identify the challenges of the existing collection process and design and implement solutions that improved the accuracy, efficiency and sustainability of the overall process.

**Stack:** C# / SQL / Angular / AngularJS / JavaScript / LINQ / RESTful APIs / ASP.NET Core / Entity Framework

## Software Engineer, Consultant • Realdolmen

Sep 2019 - Apr 2021

As a consultant at Realdolmen, I gained extensive experience developing customised front-end and back-end solutions for diverse clients. Throughout my engagements, I played a crucial role in thoroughly testing, debugging and optimising client programs to ensure their full functionality and user-friendliness, establishing myself as a trusted advisor to clients seeking tailored programming solutions.

**Stack:** C# / Java / SQL / HTML / CSS / JavaScript / TypeScript / Angular / Node.js / jQuery / Bootstrap / ASP.NET Core / WebAPI / .NET Framework & Core / LINQ / WPF / WCF / UWP / Xamarin / Entity Framework / xUnit / TDD / DDD / TFS (Azure DevOps) / GIT / Agile Scrum & Kanban

## Software Engineering Intern • Sciensano

Feb 2019 - May 2019

Sciensano collects data on products sold in the five largest supermarkets in Belgium, previously managed in Excel. I helped build the application that changed the existing way of handling this data: developing the web API, describing front-end and back-end components, creating and running tests, troubleshooting bugs and implementing new user stories to enhance the overall functionality of the application.

**Stack:** C# / VueJS / Vuetify / SQL / JavaScript / ASP.NET Core / LINQ / Entity Framework / xUnit / TDD / GIT / MS SQL Server / Agile Scrum

## ■ Core skills

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**AI & LLM engineering:** Claude API, OpenAI, MCP servers, AI agents, RAG pipelines, embeddings, prompt engineering, LLM automation

**Mobile:** React Native, Expo, iOS, Android, App Store & Google Play delivery, OTA updates, push notifications, Xamarin

**Backend & payments:** C#/.NET, ASP.NET Core, Python, Node.js, Go, Java, SpringBoot, REST APIs, SignalR, Entity Framework, Dapper, LINQ, MediatR, Hangfire, AutoMapper, Serilog, Windows Services, WPF, WCF, WinForms, UWP, PHP, VB, Razor, Express.js, PowerShell, OAuth/OpenID, Stripe Connect, Bancontact, webhooks

**Web:** React, Next.js, TypeScript, JavaScript, Angular, AngularJS, VueJS, Nuxt, Blazor, jQuery, Bootstrap, Vuetify, HTML5, CSS3, JSON, XML, Axios, Fetch API, SEO, accessibility

**Databases & data:** MySQL, PostgreSQL, SQL Server, T-SQL, MongoDB, Oracle, MSSQL, phpMyAdmin, Percona, DBeaver, Elasticsearch, Kafka, RabbitMQ, Power BI, SSRS/SSIS

**Cloud & DevOps:** Docker, Kubernetes, GitHub Actions, Azure DevOps, CI/CD, AWS, Azure AD / IAM / App Registrations, Cloudflare, Linux, Windows, Jenkins, GitLab, Bitbucket, TFS, GIT, SourceTree, Grafana, Kibana, Sentry, PostHog

**Automation & testing:** Playwright, web scraping, Python scripting, API integrations, Selenium, Cypress, Jest, xUnit, NUnit, MSTest, Moq, AutoFixture, TDD, integration and end-to-end testing, load testing (k6, JMeter), Postman, Swagger

**Architecture & methods:** microservices, DDD, MVC, MVVM, Agile Scrum, Kanban, technical & functional analysis, UI/UX design, Figma, Jira, CMS, Office, Webfocus

## ■ Education, certifications and awards

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2019 Bachelor degree in Computer Software

2020 MCSA: Web Applications, Microsoft certified

2020 Microsoft Exam 480: Programming in HTML5 with JavaScript and CSS3

2018 1st place, Hack The Future hackathon, BI challenge

## ■ Languages

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French (native or bilingual) · Dutch (native or bilingual) · English (full professional)