

Mohamed Saber Refaei Kenawi

Software Engineering Student | Full-Stack Software Engineer (Node.js, React, TypeScript, PostgreSQL)

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 <https://mohamedsaber-portfolio.vercel.app/>

SUMMARY

- Full-Stack Development:** Specialist in building secure, high-performance web applications using **Node.js, Express, PostgreSQL, React, and TypeScript**.
- AI Integration:** Successfully implemented AI-driven features such as natural-language search, auto-generated descriptions, category suggestions, and dashboard insights using **Groq** and **OpenAI** APIs.
- Cloud & Data:** Experienced in deploying serverless utilities on **AWS Lambda** and creating interactive data visualization dashboards with **Python** and **Chart.js**.

EDUCATION

- Bachelor in Software Engineering, Vilnius University**  2023 – Present
Lithuania
- Current Status:** 3rd Year Student
 - Relevant Coursework:** Data Structures & Algorithms, Web Development, Database Management, Cloud Computing.

TECHNICAL SKILLS

Languages

JavaScript (ES6+), TypeScript, Python, C#, HTML5, CSS3.

Frontend

React.js, Chart.js, Bootstrap.

Backend

Node.js, Express.js, REST APIs, WebSockets.

Database

PostgreSQL (Advanced: Full-text search, GIN indexes, Connection pooling).

Tools

Git/GitHub, AWS Lambda, Azure Function, Postman

Security

JWT Auth, Input Validation, Rate Limiting, CSRF Protection, Helmet.

PROJECTS

AI-Powered Inventory Management System, Node.js, Express 5, PostgreSQL, EJS, Chart.js, Groq/OpenAI

- Built products & categories CRUD with bulk operations, stock alerts, CSV import/export, and database backup.
- Added AI layer for smart search, auto descriptions, category suggestions, and executive-style dashboard insights.
- Implemented secure auth (JWT httpOnly cookies), double CSRF, BCrypt hashing, rate limiting; optimized search using PostgreSQL GIN indexes.

Live Demo: <https://inventory-management-application-ht9y.onrender.com/> 

GitHub Repo: <https://github.com/MuhamedSaber1990> 

Patent Search Dashboard, Node.js, Express

- Searches patents via EPO OPS API with pagination and metadata views.

Repo: github.com/Muhamed-Saber1990/patent-search-dashboard

Vimeo Video Downloader -> Google Drive, Node.js, WebSockets, FFmpeg, Google Drive API

- Downloads via FFmpeg and uploads to Google Drive with real-time progress updates (WebSockets, resumable uploads).

Repo: github.com/Muhamed-Saber1990/vimeo-video-downloader

QR Generator Lambda, AWS Lambda (Node.js)

- Serverless QR code generation endpoint designed for API Gateway; includes CORS support.

Repo: github.com/Muhamed-Saber1990/qr-generator-lambda

Professional Experience

Scheduling Specialist (Remote), Developmental Specialty Partners ↗

2024 – Present

United States (Remote)

- Streamlined scheduling workflows to improve staff allocation and appointment coverage across the team.
- Automated scheduling steps to reduce manual coordination time and increase day-to-day efficiency.
- Integrated Google Sheets data with the internal scheduling system to keep availability/caseload information consistent.
- Coordinated ABA appointments and scheduling for pediatric clients with special needs, handling changes and conflicts to keep calendars accurate.
- Maintained organized records and timely communication to support operational continuity.

Area Sales Manager, E-tronic Samsung ↗

08/2021 – 09/2023

- Led direct Shakira district, Egypt; supported quarterly targets > **25 million EGP**.

Smart Sense Co. LTD ↗

12/2013 – 08/2021

Roles: Marketing Supervisor (2018–2021) | Marketing Executive (2015–2018) | Sales Promoter (2013–2015)

- Led a 12-person Samsung field team across East Delta; solved daily field challenges impacting sales execution.
- Collected sales/competitor data, trained staff on product positioning, and earned “Best Employee” recognition (2016, 2017).

Languages

- English — C1 (Advanced)
- Arabic — Native
- Lithuanian — A2 (Elementary)