

# Daniel Kasem

## Software Engineer

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**Links:** [LinkedIn](#) | [GitHub](#) | [StackOverflow](#) | [Portfolio](#) | [Codeforces](#)

## Software Engineer

Experienced Software Engineer skilled in Node.js, PHP, Javascript, typescript and Golang, focused on building scalable systems. Proficient in RESTful API design, Docker containerization, and database management (MySQL, PostgreSQL, MongoDB). Passionate about clean code and solving complex challenges.

## Work Experience

### Cogent Softech – Beirut, Lebanon

*Backend Engineer (May 2022 – Present)*

- **Developed and optimized** scalable backend services using **PHP, NestJS, Node.js, and Golang**, designing efficient RESTful APIs and microservices.
- **Containerized** applications (React.js, Next.js, Nest.js, PHP) using **Docker**, implementing a robust **CI/CD pipeline** for automated deployments on **AWS ECS**.
- **Automated deployments** with **GitLab CI/CD**, managing container builds, pushing images to **Amazon ECR**, and orchestrating services on ECS tasks.
- **Architected and maintained** database schemas and system infrastructures for **ERP, medical, e-commerce, and POS solutions**, ensuring high availability and performance.
- **Led system analysis efforts**, identifying bottlenecks and implementing scalable, high-performance solutions to enhance system reliability and maintainability.

### YAWAR – (remote)

*Backend Developer (May 2023 – Aug 2024)*

- Migrated a **large-scale JavaScript application** to **TypeScript**, enhancing maintainability, scalability, and type safety.
- Implemented **dependency injection** and **TypeORM**, improving database management and code modularity.
- **Refactored unstructured legacy code into efficient, modular components, boosting application performance by 25%.**

### Flexsol (remote)

*Fullstack Developer (Laravel / HTML / CSS / JS) (Jan 2021 – Dec 2021)*

- Designed and developed a **dashboard and API** for a **university library mobile app**, enabling seamless access to resources.
- Implemented features for **lecture and video course sales**, along with **subject test functionalities** to aid student exam preparation.

### Ordro – Jeddah, Saudi Arabia (Remote)

*Backend Engineer (May 2022 – Jan 2024)*

- **Developed** a scalable **B2B eCommerce platform** using **Medusa.js**, enabling seamless multi-client operations.
- **Transformed** the platform into a **multitenant architecture**, enhancing scalability and client management.
- **Designed and implemented** a robust **dashboard** for **suppliers and super admins**, providing analytics and operational control.
- **Integrated ZATCA-compliant e-invoicing** and **BNPL (Buy Now, Pay Later)** to streamline financial transactions.
- **Optimized delivery logistics** by leveraging **Google's Optimization AI** to solve the **Vehicle Routing Problem (VRP)**.
- **Developed a Point of Sale (POS) system** for retailers, integrating it with the **B2B platform** for seamless operations.

### PROKODERS – Remote (United Arab Emirates)

*Backend Developer (Dec 2021 – Jan 2023)*

- Developed and maintained **ERP systems, Learning Management Systems (LMS)**, and various web applications using **Laravel**.
- Built **core functionalities**, optimized performance, and designed **scalable backend solutions**.
- Expanded technical expertise by learning **.NET Core**, contributing to cross-platform application development.

## Core Proficiencies & Skills

**Programming Languages:** PHP, Node.js, Golang, JavaScript, TypeScript, Python (basic)

**Backend Frameworks & Libraries:** Laravel, Nest.js, Express.js, Gin, Echo, Django

**Databases & Data Management:** MySQL, PostgreSQL, SQL Server, MongoDB, Redis, Meilisearch, RabbitMQ

**Cloud & DevOps:** AWS (EC2, ECR, Lambda, RDS, Cognito), Docker, GitLab CI/CD, Nginx, Linux

**Software Development & Best Practices:** REST/GraphQL, Microservices, MVC, Design Patterns, Problem Solving, Automated Testing (Jest), CI/CD, System Architecture

**AI Tools and Integrations:** Prompt Engineering, CursorIDE

**Web Scraping:** BeautifulSoup

**E-commerce & Payment Integration:** Medusa.js, Stripe, PayPal, FedEx, Shippo, ZATCA-compliant e-invoicing, BNPL (Buy Now, Pay Later), PerfectMoney, Tasdid, Switch, ZainCash

**Real-time & Communication Technologies:** WebSockets, Socket.IO, Firebase, Swagger, LiveKit, FreeSwitch

**Project Management & Collaboration:** Git, Postman, Jira, Slack

**Integrations:** Social Media Integrations (Facebook, Instagram, Twitter), Calendar Integrations (Google Calendar, Office 365 Calendar, MsExchange), IoT Integrations (Airthings, Webex, Cisco, Salto Lockers)

## Open Source Contributions:

**Flowtify** – A flexible and robust TypeScript library for defining and executing workflows.

- Designed and implemented core features such as sequential/parallel execution, compensation handling, and dependency injection.
- Ensured type safety and extensibility while maintaining ease of use.
- **GitHub:** <https://github.com/specture48/flowtify> | **NPM:** [npmjs.com/package/flowtify](https://www.npmjs.com/package/flowtify)

**Medusa FCM Notification** – Firebase Cloud Messaging (FCM) provider for Medusa.js.

- Developed a Medusa notification provider to send push notifications via Firebase Cloud Messaging.
- Integrated with Medusa's modular system to allow seamless notification handling.
- **GitHub:** [github.com/specture48/medusa-fcm-notification](https://github.com/specture48/medusa-fcm-notification) | **NPM:** [npmjs.com/package/medusa-fcm-notification](https://www.npmjs.com/package/medusa-fcm-notification)

**Medusa Documents (Arabic Support Fork)**

- A plugin for Medusa.js that generates PDF documents (e.g., invoices, packing slips) with added Arabic language support.
- **GitHub:** <https://github.com/specture48/medusa-documents-arabic> | **NPM:** <https://www.npmjs.com/package/medusa-documents-arabic>

## Education

**Tishreen University – Syria**

Bachelor of Software Engineering *Nov 2016 – Nov 2021*

- Graduated Top 4, GPA: 85.23% (Excellent)

## Certifications

- **AWS Cloud Technical Essentials** - Amazon Web Services, *September 2024* [Certificate](#)
- **Getting Started with Go** - University of California, Irvine, *August 2024* [Certificate](#)
- **Introduction to MongoDB**-MongoDB Inc.*March 11, 2025* [Certificate](#)
- **Introduction to Agile Development and Scrum**-IBM *March 11, 2025* [Certificate](#)
- **IELTS Writing Section Skills Mastery**-versity of California, Irvine *March 10, 2025* [Certificate](#)

## **HONORS & AWARDS**

**Albasel Certificate** - Tishreen University

- Achieved 89.5% in recognition of academic excellence.