



Zeyad Ismail Hamdalla

Full-Stack Software Developer

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SUMMARY







I am a Full-Stack developer with a passion for building functional software that optimizes workflows and improves the lives of its users, seeking opportunities to contribute to software and systems that propel people and businesses forward.

PROFESSIONAL EXPERIENCE

Full-Stack Developer

Rockai Dev 

Nov 2025 –
Present

- Served as the **Primary Backend Developer** behind a medium-sized (**40K+ LOC**) Real Estate platform, architecting and building a scalable backend that powers **three frontend applications**: a client-facing website, an internal Admin & Sales dashboard, a mobile application, **and three AI services**, architected and built a **comprehensive event-logging system** supporting advanced dashboard analytics, detailed audit logs, and user personalization to gather insights into user behavior and recommend suitable units.
- Contributed to the company's flagship SaaS product **Propai CRM**  by designing and owning the subscription, renewal, and provisioning modules, automating payments via **Paymob**, secured distributed server-to-server communication using encrypted JWT-based authentication, rebuilt the admin dashboard backend to support subscription management and customer support operations; and systematically refactored legacy sections to improve overall system stability and maintainability.
- Worked on the **EATN**  app available on both **Android**  & **IOS** , developed for the EATN 4 event held on May 15, 2026. The platform serves as an event companion application, similar to **Techne Summit**  and **Connecta** , providing attendees with features such as agenda management, session tracking, notifications, and event engagement tools, serving **3,000+ concurrent users** during the event day.

Backend Developer

Sputnik Academy 

Jul 2025 –
Oct 2025

- Worked in a team to develop a comprehensive **ERP system** custom-made to fit Sputnik Academy's needs as a quickly growing startup.
- Developed a robust **authentication & authorization (RBAC & ABAC)** system using **OAuth 2.0**, borrowing concepts & best practices from identity platforms like Auth0.
- Provided up-to-date **internal documentation** of the backend project, which allows new backend interns and team members to onboard quickly and contribute safely.

PERSONAL PROJECTS

Nirvalla Tasks [↗](#)

- Developed Nirvalla Tasks, a personal open-source full-stack task management app, Similar in functionality to Google Tasks.
- Implemented drag-and-drop task reordering, nested subtasks, and list organization using **React** and **Tailwind** and **DnD-Kit**
- Designed the backend with **Node.js**, **Express**, and **MongoDB**, emphasizing data ownership and user privacy.
- Engineered the system for expandability, with future modules planned for calendar, journaling, and knowledge management.

Spicy Tower [↗](#)

- Designed and developed Spicy Tower, a **vertical arcade-style web game** where players climb platforms to achieve a high score.
- Built using **JavaScript**, **HTML5 Canvas**, and **Kaplay.js game library**, with responsive controls optimized for both desktop and mobile browsers
- Implemented various gameplay mechanics, like increasing difficulty and shrinking platforms, music and an AI-generated voice

SKILLS

Programming Languages — JavaScript (ES6+), TypeScript, HTML5, CSS3.

Frontend — React.js, Next.js, Tailwind CSS, Responsive Web Design, UI/UX Design, Search Engine Optimization (SEO).

Backend — Node.js, Nest.js, Express.js, Database Fundamentals, MongoDB, PostgreSQL, Prisma, RESTful APIs, Authentication & Authorization (OAuth 2.0, JWT).

Tools & Services — Version control (Git & GitHub), API Platforms (Postman & OpenAPI), Cloudinary.

Architecture — Modular Architecture, Clean Code, Debugging, Performance Optimization, Systems Thinking.

Soft-Skills — Self-directed learning, Strong verbal and written communication, Problem solving, Teamwork and conflict resolution, Attention to detail.

CERTIFICATIONS

Programming Fundamentals - Route Academy

Programming Fundamentals, Object Oriented Programming, Data Structures and Algorithms in C++.

Front-End Development with React - Route Academy

HTML/CSS, JavaScript and the React Ecosystem.

Back-End Development with Node.js - Route Academy

Node.js, Express, Nest.js, SQL & NoSQL Databases, AuthN & AuthZ.

EDUCATION

Alexandria University

Bachelor of Agricultural Science

2024