

Sergi Rizkallah

Software Engineer

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EDUCATION

Bachelor degree, Computer science

Alexandria University

3.78 GPA

08/2018 – 07/2022 | Alexandria, Egypt

PROFESSIONAL EXPERIENCE

Software Engineer

TechHive

06/2022 – present | Alexandria, Egypt

- Contributed to a low-code platform that can generate generic Web, API, Mobile apps, and CI/CD, thereby reducing the time and cost of developing our apps by 50%.
- Developed authentication integration for a legacy PHP project, a Ruby on Rails application, and set up a basic Kubernetes cluster.
- Developed and deployed playlist, rating, sharing, and notification features for a streaming service serving 16k active users and handling over 100k daily requests.
- Created an access control system with QR scanner and Arduino to operate relays.
- Developed and implemented a recommendation system leveraging frequently bought items, along with an algorithm to optimize shipping costs for a marketplace featuring multiple inventories across various countries, handling over 10k orders.
- Designed and implemented an event-driven architecture for a soccer fantasy project.
- **Stack:** Javascript, TypeScript, Node.js, Php, OpenCart, JWT, Redis, RabbitMQ, REST, GraphQL, tRPC, Ansible, Docker, Docker compose, AWS, MySQL, Postgres, DigitalOcean, GitHub Actions, Nginx

Software engineer Intern

RMZ tech

08/2021 – 09/2021 | Alexandria, Egypt

Led a team of 3 colleagues in executing the software development life cycle for the analysis and implementation of an e-commerce application 📄 for home-cooked meals.

Stack: Laravel for backend development, MySQL for database management, and HTML, CSS, and Bootstrap for frontend design.

PROJECTS

Salahly 📄

09/2021 – 05/2022

Developed a roadside assistance application catering to vehicle owners 📄, first responders, and workshop owners 📄. Implemented real-time requests and responses.

Stack: Flutter, Firebase Realtime Database (RTDB), and Cloud Functions.

Currency recognition 📄

02/2021 – 05/2021

Built a currency recognition system for Egyptian currency, employing two different approaches: one using SURF (Speeded-Up Robust Features) and KNN (K-Nearest Neighbors) matching, and the other utilizing a Convolutional Neural Networks (CNN) model. Additionally, developed a Node.js server to provide a graphical user interface for the system

Cinematna 📄

09/2020 – 12/2020

Designed and implemented a ticket booking application for movie theaters, enabling users to select seats and receive QR codes for ticket confirmation.

Stack: PHP, MySQL, javascript, html, CSS, Bootstrap.

SKILLS

JavaScript, TypeScript, Nodejs, Express.js, React.js, Php, Laravel, Opencart, Microservices, Backend, Redis, REST, GraphQL, tRPC, Docker, AWS, SQL, NoSQL, Git, MySQL, DigitalOcean, Github Actions, Nginx

LANGUAGES

Arabic, English, French