

Hisham Sayed

Junior NodeJS developer



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SUMMARY

Junior Software Engineer with backend web development experience specializing in **Node.js**. Proven expertise in building scalable and secure **RESTful APIs**, coupled with strong **web security** skills and experience in **web penetration testing**. A quick learner with a focus on detail, consistently seeking new challenges to expand technical skills.

EXPERIENCE

SWCamper API | NodeJs, ExpressJs, and MongoDB

- Backend API for SWCamper application, a bootcamp for software courses directory
- 3 types of user roles (publisher, user, admin) with different functionality for each.
- Backend security uses token-based authentication & authorization using **JWT**
- Uses **MongoSanitize**, **Helmet**, and **XSS** packages to sanitize Mongo inputs and add
- Some security headers to prevent attacks like XSS.
- For more details here is an Extensive documentation with examples **HERE**.

Udagram app by Udacity | AWS, CircleCI, RDS, AWS S3 and Elastic Beanstalk

- Hosting a full stack **FeedItem** web application on **Amazon web services AWS**.
- The project uses an **AWS S3 bucket** to host the frontend files
- Deployed using **CircleCI** as the pipeline.
- Database to **Amazon Relational Database Service (RDS)**, and **Backend to Elastic Beanstalk**

Emtehanat.net| NodeJS, Laravel, MySQL, PHP, HTML, PostMan (JAN, 2020-DEC, 2020)

- Online exam platform connecting teachers and students remotely
- Features include exam creation, notifications, and grading
- Focused on developing anti-cheating and integrity tools

PROJECTS

Store backend app NodeJS| NodeJs, ExpressJS, Postgress and Typescript

- Building **APIs** for all **CRUD** operations.
- Uses **TypeScript** for development, and token-based authentication and authorization using **JWT** and the **Jasmine** framework to test functionality.

Real Time Developer chat app | Nodejs, HTML, CSS, ExpressJs and socketio

- It's all about how developers can choose a **name** and what **programming language** they want to discuss and then join the relevant chat room.
- Uses **socketio** as the main functionality for this app

Image processing NodeJS | HTML,CSS,NodeJS,ExpressJS,Typescript and Jasmine

- This project Main functionality the users insert the desired image and desired size and the app returns the new resized image.
- This app uses **TypeScript** for development, **Jasmine** for testing, and the **fs** library as the main functionality for reading files and directories.

SKILLS

- NodeJs
- ExpressJS & NestJS
- SQL & NoSQL (MongoDB)
- AWS (S3,RDS,Elastic Beanstalk)
- Version control (Git)
- Unit Testing and Integration Testing
- Microservices architecture
- TypeScript

EDUCATION

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|--|-----------|
| • Bachelor of computers and information / FCAI | MAY/2020 |
| • Graduation Project / Faculty grading system using Blockchain | Grade: A+ |

COURSES & CERTS

- CS 253 Web Security/ Stanford University.
- SANS SEC542
- CompTIA Security +
- Udacity scholarship by EgyptFWD / Advanced Full-Stack Web Development
 - Backend development with NodeJS.
 - Creating an API with PostgreSQL and ExpressJS.
 - Developing with TypeScript.
 - Unit Testing with Jasmine.
 - Configure and Document a Pipeline