

# 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.

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### EXPERIENCE

**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

**ByteMarkGrow - BMG** | **NodeJS, NestJS, ExpressJS, PostMan** (JAN, 2023-Current)

- Developing the backend logic for many projects.

**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**

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### 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.

## 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

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- 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

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- 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