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

ByteMarkGrow - BMG| NodeJS,NestJS,ExpressJS,PostMan   **(JAN 2023 - Present)**
- Worked as a **freelance backend developer**, supporting multiple projects for the company.
- Built and maintained **API endpoints** and backend logic using Node.js, NestJS, and Express.js.
- Assisted with **bug fixing, performance optimization, and integration tasks** to ensure smooth project delivery.

Emtehanat.net| NodeJS,Laravel,MySQL,PHP, HTML,PostMan   **(JAN 2020 - DEC 2020)**
- Developed the **backend logic** for an online exam platform, handling exam creation, submission, and grading workflows.
- Implemented **secure APIs** to manage communication between students and teachers.
- Occasionally contributed to **frontend development** to integrate backend features and improve user interaction
- Collaborated with the team to enhance **system reliability, data accuracy, and anti-cheating tools**.

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.**

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**.**

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 BeanstalkImage 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

- **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
  o **Backend development with NodeJS.**
  o **Creating an API with PostgreSQL and ExpressJS.**
  o **Developing with TypeScript.**
  o **Unit Testing with Jasmine.**
  o **Configure and Document a Pipeline**