

# SHEHAB GAD

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## Skills

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**Back-end:** Java(spring boot), PHP, node.js, express.js, REST Apis

**DevOps:** AWS Elastic Beanstalk, AWS S3, AWS RDS, CI/CD, CircleCI

**Database:** SQL, MySQL, PostgreSQL

**Testing:** Python(selenium), unit testing using jasmine

**Front-end:** HTML, CSS, JavaScript, React, bootstrap, typescript

**Software engineering:** Design patterns, Version control(git), Agile/scrum methodology, API development; Software design(UML, development process), Software architecture(architectural styles, service-oriented architecture).

**Languages:** C++, Java, Python, Javascript, PHP, C#

## Education

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**Cairo university**

Sep 2020 - June 2024

**Bachelor of Computer Science and Artificial intelligence**

**Computer Science department**

- GPA 3.75

- Listed among the top 5 students.

**Udacity**

June 2022 - Aug 2022

**Advanced Full-stack Web Development Nano Degree program**

- **Learned:** Node.js, Typescript, Unit testing using jasmine, Express, PostgreSQL, Deploying, CI/CD, CircleCI, AWS RDS, AWS S3, AWS Elastic Beanstalk, REST API, Authentication and authorization using JWT tokens.

## Experience

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**Google Developer Student Clubs**

Cairo university

Backend Head

Nov 2022 – Present

- Developed and taught a course to students on Node.js and backend development
- Conducted weekly live sessions to teach the concepts of Node.js, backend basics, Typescript, unit testing, and express
- Led a team of students to ensure course materials were up-to-date and relevant
- Mentored students and provided guidance on their projects and assignments.

**ICPC FCAI CU Community**

Cairo university

Problem Solving Coach

Feb 2023 – Present

- Provided prompt and informative responses to their queries related to problem-solving
- Conducted weekly up solving sessions to tackle complex problems and enhance the problem-solving skills of the group

- Mentored a group of individuals by closely monitoring and evaluating their progress

## Achievements

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- **Ranked 19<sup>th</sup>** in the 2022 ECPC Qualifications Collegiate Programming Contest (out of 230+ teams) and Qualified for ECPC Finalist.
- Participated in 2022 ECPC (Egyptian Collegiate Programming Contest) Finalist

## Projects

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### Seekers

Full-stack web application

- Built a full-stack online recruitment website that allows job seekers to find and apply for vacancies uploaded by employers.
- Applied scrum and worked across the development life cycle to build and maintain code
- Developed the front-end using Html, bootstrap, and JavaScript
- Developed the Back-end using PHP following a service-oriented architecture
- Developed the Database with MySQL

### BaniSwvl

RESTful web service

- built a restful web service that helps users communicate with car drivers to transport users to any area using Java spring boot in a team of 3.
- Employed best software design practices (SOLID) and scrum to work on the project
- Developed part of the project core logic and developed the whole API using java spring boot

### StoreFront

Restful web service

- Built an online store backend using typescript, node.js, and express.js
- Architected the database and developed it using PostgreSQL
- Developed a RESTful API that exposes important information to the frontend developer
- Built unit tests using Jasmine
- Secured user information and provided user authentication tokens using JWT