

# AHMED ABDELAZIZ

Full-Stack Web Developer

 ahmd-abdelaziz

 <https://www.ahmed-abdelaziz.live>

 Prog-Jacob

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 Tanta, Egypt

Blends team-based and project-based learning in STEM and CS to provide interpersonal skills and high versatility.  
Experienced in web server delivery, database development, algorithm implementation, and web design.

## EDUCATION



2020, Oct - Expected 2025, Jul



B.Sc. in Computer Science Engineering

**Egypt-Japan University for Science and Technology**



2022, May - 2022, Aug



Advanced Full-Stack Web Development

**Udacity Nanodegree by Egypt FWD**

## PROJECTS

### Storefront Backend

- Designed and implemented a RESTful API that provides CRUD operations for users, products, and orders using Node.js (TypeScript), Express, Postgres, and db-migrate.
- Configured TypeScript compiler options, ESLint rules, Prettier formatting options, Jasmine testing framework, bcrypt hashing and salting, JWT authentication and authorization, and CORS to ensure code quality, security, and performance.
- Utilized Express with pg to implement 12 API endpoints for creating, retrieving, updating, and deleting users, products, and orders from a Postgres database.
- Verified the functionality and reliability of the API by passing all 45 tests written in Jasmine and Supertest, and checking by Postman.
- Documented the project details and instructions in a well-written README.md file.

### Full-Stack Deployment

- Configured AWS Elastic Beanstalk, RDS, S3, and CircleCI to continuously integrate and deploy a full-stack web application using Node.js, Express, and Angular.
- Provisioned AWS resources using the EB CLI and the AWS Console, and set up environment variables, security groups, and IAM roles to ensure proper access.
- Deployed the frontend web interface to AWS S3 and the backend RESTful API to AWS Elastic Beanstalk using CircleCI workflows.
- Deployed a publicly available RDS database running Postgres and a S3 bucket for hosting uploaded files using AWS CLI.

## CERTIFICATES & AWARDS

- 2023: 3 out of 8 courses in the Google Cybersecurity Track on Coursera.
- 2022: Data Center Technician and Cloud Foundations by AWS Academy.
- 2022: JavaScript Algorithms, Data Structures, Frontend Libraries, and Web Design by freeCodeCamp.
- 2021: Frontend Core and Intro to Python by JetBrains on Hyperskill.
- 2021: Web Development Challenger offered by EgyptFWD on Udacity.
- 2020: Invitation to the international Cyberspace Mathematical Competition.
- 2020: National finalist in the Mediterranean Youth Mathematical Championship.
- 2019: Gold Honor in the International Youth Math Challenge.

## VOLUNTEERING



2019 & 2020 Summer Vacations

 Tanta, Egypt

**Resala Charity Organization**

- Assists disabled postgraduate students to craft and structure their research papers.
- Collaborates with the donation and inventory groups for six months to support the organization's mission of securing livelihoods and health care services.




## PROFICIENT

- Node.js
- Typescript
- React
- Rust
- Python
- PostgreSQL
- Express
- CI/CD
- Linux
- Cloud Computing (AWS)
- Git & GitHub
- HTML & CSS

## MODERATE

- SASS
- Bootstrap
- Cyber Security
- Machine Learning

## HOBBIES

-  Chess
- Hiking
-  Typing
- Rubik's Cube
-  GeoGebra Graphing

## ADDITIONAL LINKS

 LeetCode

CSSBattle 