HASSAN ELSEOUDY

Software Engineer (Backend & Data)

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EXPERIENCE

Software Engineer
Zalando

📅 Sep 2022 – Present   📍 Berlin, Germany

- Spearheaded the maintenance, support, and advancement of features for the Retail Center, a cutting-edge B2B System facilitating the creation and oversight of shipments, managing a **1,000 daily shipments** and overseeing a cumulative total of **1,000,000 shipments**.
- Pioneered the architecture and development of the Clarification Management System, A negotiation system between Suppliers & Zalando, resulting in savings of over **7.5 Million €**.
- Engineered the team's internal dashboard leveraging Grafana & Lightstep to monitor latency, traffic, errors, and saturation across more than **15** micro-services. This slashed bug resolution time by **80%**.

`Java` `Kotlin` `Spring Boot` `CI/CD Internal Tools` `Event Driven Architecture` `K8S` `Grafana` `SQL`

Java Engineer
DHL Freight Enterprise

📅 Oct 2021 – May 2022   📍 Sofia, Bulgaria (Remote from Egypt)

- Worked on Transport Management System (TMS) which oversees customers' whole transport operation and allows them to use DHL's network regionally or nationally depending on their needs.
- Finished business training to fully understand transport and logistics domain.

`Java` `Hibernate` `WexVs Designer/Client (Internal Frameworks)`

Software Engineer (Back-end/Data Analytics)
Rubikal

📅 Jan 2021 – Jun 2022   📍 Alexandria, Egypt

- Deployed Serverless functions using AWS Lambda.
- Worked directly with Transit Feed (GTFS), a data specification that allows public transit agency (Mowasalat Misr) to publish their transit data.
- Created visualizations using Tableau and Metabase, presented findings in a clean and informative way.
- Analyzed data of millions of students and extracted useful insights for clients.

`Spring` `Rails` `SQL` `Python` `Snowflake` `AWS` `Metabase` `dbt` `Tableau` `Jira`

Software Engineer
Sia

📅 Apr 2020 – Dec 2020   📍 Cairo, Egypt

- As a Backend Engineer, I created **+7** services such as **gamification**, **notifications** and **educational content** using **Micro-services** architecture within a startup of **10** people.

`Spring Boot` `Angular` `AWS` `Docker` `Jenkins` `Kotlin` `Jira`

ACHIEVEMENTS

🏆 **Finalist**
Coached team to ICPC. (Moscow, Russia) - Sep 2021

🏆 **15th**
Google Hash Code (Egypt) - Feb 2020

🏆 **x2**
Employer of the month (SIA).

🏆 **8/25**
MATE International competition. Tennessee, USA - Jun 2019

SKILLS

Programming

- + 100,000 lines `Java` `Kotlin` `Python` `TypeScript`
- + 10,000 lines `C/C++` `Ruby` `SQL` `Dart` `MATLAB`

Frameworks and Tools

`Spring` `Django` `Node.JS` `Rails` `Kafka` `MongoDB` `Celery` `PostgreSQL` `Tableau` `Swagger` `Mockito` `Angular` `React.JS` `AWS` `Azure` `Docker` `Git` `Linux` `Qt` `Jira` `Flutter`

Soft skills

`Active listening & Strategic Decisions` `Time management` `Leadership & Teamwork` `Positivity`

EDUCATION

B.Sc
Computer & Communication Engineering. CGPA 3.33

📅 09/2015 – 06/2020   📍 Alexandria University

PART-TIME / INTERNS

Software Engineer
Cynopsis Solutions

📅 Oct 2021 – Present   📍 Remote

- Responsible for building real-time transaction monitoring tool that screens and identifies patterns among transactions, with over **100K transactions** daily.
- Enhanced the performance for Inserting and processing transactions by **300%**
- Re-factored Legacy code, Implemented multiple design patterns matching the current needs in the project.
- Django   Django REST Framework   AWS   Python   Celery
  TimeScaleDB   Postgres

Cloud Native Engineer (Part time)
Cassbana

📅 Oct 2020 – Feb 2021   📍 Cairo, Egypt

- As a Cloud Native Engineer, I was responsible to have our infrastructure deployed using Serverless architecture.
- As a Cloud Native Engineer, I was responsible to convert PHP laravel legacy code, Into Azure Functions, using Entity Framework.
- Entity Framework   Azure Functions   CosmosDB   Laravel
  Gitlab Pipelines

Software Engineer (Undergraduate)
Robo-Tech

📅 Aug 2018 – April 2020   📍 Alexandria, Egypt

- Arranged a stable communication system for the Remotely Operated Vehicles with less than **0.01%** packet loss, and launched **2** prototypes.
- C++   Qt   C#   Open CV

iGreeter
Undergraduate Final Project (A+)

📅 Sep 2019 – Jun 2020   📍 Alexandria, Egypt)

- developed with a team of 4 people iGreeter which is a 3 module application that helps customers to navigate in malls using indoor localization technique, plan shopping day and search for the needed items in the mall..
- Enabled 2 services for mall owners: registering shop owners and creating shop contracts) also the shop owner can maintain and update shop's info and offers.
- TypeScript   Node.Js   React   Kotlin

MRNet Classification
Undergraduate Project (A+)

📅 May 2019 — Jun 2019   📍 Alexandria, Egypt)

- Trained CNN Models and illustrated how different views help in MRI classification into 3 categories and achieved +70% accuracy.
- Python   Pandas   Keras

OPEN SOURCE CONTRIBUTIONS

- **FasterXML -> #2889 Added docs on using Builder pattern**
- **TheAlgorithms -> #1218 Illustrated Simple Substitution**
- **yGuard -> #92 Solved +200 Warnings and Errors.**
- **cds -> #29 Redesigned roles in the chatbot**

SUMMARY

" I do coding for life as I enjoy it, not only during work, self-motivated, adaptive with different technologies and always interested in exploring new tools."

LANGUAGES

Arabic   ●●●●●
English   ●●●●○
French   ●●○○○

INTERESTS

Back-end engineering

Data Engineering

Competitive Programming

ONLINE COURSES

Building Server-less Applications

Getting Started with Google Kubernetes

Data Science Professional Certificate

Deep Learning Specialization

Angular JavaScript Frameworks

Agile with Atlassian Jira

VOLUNTEERING

Chairman
Alexandria ACM Student Chapter

📅 Oct 2018 – 2020   📍 Alexandria, EG

- Organized +30 events to help undergraduates to learn about recent technologies and sessions about Algorithms & Data structures.