

# Bishoy Soliman

Computer and Systems Engineer | Project Manager | Aerospace Student

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## WORK EXPERIENCE

### Senior Software Engineer

#### Avi Medical

Oct 2022 - Sep 2023

Germany, Munich

- Increased the **profit** by **€100K / clinic** by gathering **Requirements, Planning, Designing, Managing, Implementing**, and **Operating** the HzV program in **< 1.5 months (finished before the deadline)**.
- Making the project **reliable** and **flexible** to account for any change in the requirements and reducing time needed to implement, test and go-live for most of the features that were added afterwards to only **1 day**.
- Worked on **10 design documents** (Architecture to project planning and implementation details), **Full-Stack & DevOps** development tasks.
- Contributed in many **business decision meetings** and shared a lot of insights that have proven to benefit the company.
- Used **Metabase** to create insightful boards for **leadership** team.
- Improved** and **Stabilized** the software infrastructure of the company by **re-designing** the deployment of **KAFKA** cluster via **Terraform** and integrating it with **Quarkus** reducing time needed for topic **creation** and events **producing/consuming** to **<5 minutes**.
- Increased the **reliability** of a **communication micro-service** to more than **99.9%**, **redesigning** its **architecture** and **evaluating** and **selecting** the most suitable **external services** to use for emails, SMSs, etc... for our needs.
- Reduced time needed to change **Twilio** infrastructure to less than **5 minutes** by automating the deployment of all our services using **Terraform** and **CI/CD** via **Github Actions**, including **Twilio Studio Flows** which contains many specific env variables using **Nodejs** library.

### Integration Manager

#### FlixBus

July 2021 - Sept 2022

Germany, Munich

- Managing Projects** of business process automation and Systems Integration.
- Responsible** for Evaluation of External Software services.
- Finished 4 Projects in parallel.

### Software Engineer

#### EGYM GmbH

Dec 2019 - Jun 2021

Germany, Munich

- Full Stack** Developer & related projects **DevOps**.
- Managing Projects** for designing, developing and testing of business process automation and Systems Integration helped in automated unnecessary work and **cutting the costs** for the company by **25%**

Azure

Google cloud

Angular

Spring

Docker

Kubernetes

### Software Engineer

#### Pixelogic Media

Jan 2019 - Nov 2019

Egypt, Cairo

- Full Stack** Development for media industry: **translation and localization & media asset management**.

AWS

ReactJs

Vue.js

Spring

Django

Postgresql

Jenkins

Docker

Kubernetes

## EDUCATION

### BSc. Aerospace

#### TUM

Oct 2023 - PRESENT

### MSc. Computer & Systems Eng.

#### Faculty of Engineering AU

Sep 2017 - Dec 2018

- Course-Work:** Fuzzy Logic and its Engineering Applications, IOT, Digital Image Processing, Computer Vision, Pattern Recognition, Machine Learning, Machine Learning for Embedded Systems.

### BSc. Computer & Systems Eng.

#### Faculty of Engineering AU

Sep 2012 - Jun 2017

## SKILLS

### Project Management

- Planning, Risk management, Monitoring, Jira, Communication, and mentoring.

### Programming Languages

- JAVA, C#, C, PYTHON, C++, Go, Scala, RUBY, Matlab/Octave, PROLOG.

### Web Technologies

- HTML5, CSS3, JS, ES, TS, React, Vue.js, Angular, Spring, Django, ASP, SharePoint, AWS, GCP, Azure, REST, WebServices, Docker, k8s, Jest, Enzyme, MS SQL, Oracle DB, MYSQL, Postgresql.

### General Knowledge

- SAP, Salesforce, Oracle Business Suite, Oracle ERP, Big Data analytics, Android, QT, TensorFlow.

### Source Control

- Git, TFS.

## LANGUAGES

German

B1

English

C1

French

A1

Arabic

Native

## Junior Software Engineer

### Bibliotheca Alexandrina

📅 Sep 2017 – Dec 2018

📍 Egypt, Alexandria

- Improved the **performance** of the **ticketing system** by **80%**.
- **Managing** the development of 3 parts of the internal website used for personnel: **Bulletin Board**, **Dynamic Organizational Diagram**, and the website shell structure.
- Developing & Testing Desktop and Web Applications.
- Financial and HR processes automation.
- MS SQL server DB and Oracle DB development and administration.
- DB sync and systems integration.

.NET

C#

Windows server & IIS

MS SQL

Oracle

Sharepoint