

# Aly SALEH

## Personal Information

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Date of Birth: 1 December 1991  
Nationality: Egyptian  
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Web-page: <https://salehaly.github.io>  
LinkedIn: [Aly Saleh](#)



## Experience

- PRESENT** | **Senior Software Engineer** at **Security and Safety things**, Munich  
JUL 2019 | - Developing an online store & developer console for smart camera applications in S&ST IoT ecosystem.
- JUNE 2019** | **Software Developer** at **CHECK24 Vergleichsportal GmbH**, Munich  
JUL 2017 | - Developed new loan products for **Kredite24** a new FinTech startup.  
- One of the main contributors to **CashReserve** & its mobile home banking.  
- Integrated Digital Identification Signature APIs to our products including IDnow and WebId.
- MAY 2017** | **Work Student Back-end Software Engineer** at **IDgard.de**, Munich  
OCT 2015 | - Implemented a proof of concept **JAX-RS** back end that is at least **twice** as fast than the current one.  
- Ran several performance and stress tests using **Apache JMeter**.  
- Researched on how to write a new API specification that is RESTful using current trends in technology **swagger.io**.
- OCT 2015** | **Work Student Java Developer** at **HRForecast.de**, Munich  
MAY 2015 | - Enhanced an analytics tool mainly written in Java with **Vaadin** framework.  
- Refactored the code base since it lacked extensibility and scalability.
- MAR 2015** | **Back-end Software Engineer** at **Bey2ollak**, Cairo  
SEP 2012 | - Developed API's for a social traffic mobile application.  
- Participated in a research for handling big data using the **ELK** stack.

## Education

- JUNE 2017** | **Master Degree in Computer Science, Technische Universität München (TUM)**  
**APRIL 2015** | *Major: Software Engineering, Minor: Distributed Systems* | GPA: 1.8
- | **M.Sc Thesis, Context-Sensitive Pervasive Computing for Smart Cities**  
| *Topic repository - Keywords: #Pervasive Computing, #Context Sensitive, #IBM Node-red* | GRADE: 1.3
- JULY 2013** | **Bachelor Degree in Computer Science and Engineering**  
**JULY 2008** | **The German University in Cairo, Egypt**  
| Faculty of Media Engineering and Technology Department of Computer Science and Engineering | GPA: 1.86
- MAY 2012** | **B.Sc Thesis, The University of Ulm, Germany**  
**MAR 2012** | Faculty of Computer Science, Department of Software Engineering and Compiler Construction. | GRADE: A-/A

## Programming

- Excellent** | Java, Spring, Kubernetes, Docker, Jenkins, JPA, Hibernate, MySQL, Postgres, GIT, Maven, Sonar, Node-Red, OOP, TDD, SCRUM, Design Patterns, CI, CD.
- Good** | Terraform, AWS, Redis, ActiveMQ, Groovy, Typescript, AngularJS, Swagger, Load Testing "Jmeter", Logstash, Kibana (ELK Stack), PHP, Javascript, Nodejs, MongoDB, Vaadin, JQuery, JQueryUI, Bash Scripts.
- Fair** | Python, Swift, Android, ElasticSearch

## Languages

**English:** Fluent, **German:** B1, **Arabic:** Mother Tongue

## Other

- PROJECTS** | Algorithms For Programming Contests: Learned efficient algorithms widely used in programming contests and optimizations.