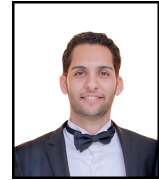


# Aly SALEH

## Personal Information

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



## Experience

- PRESENT** | **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** which is a very successful loan product.  
- Integrated Digital Identification Signature APIs to our products including IDnow and WebId.  
- Wrote different batch jobs using **Spring Batch**.  
- Introduced Keycloak as a SSO system to our back-office tools.  
- Helped develop the Home banking API's for our CashReserve product included in the Check24 App.  
- Used **Typescript** and **AngularJS** to develop some of our webpages and back-office tools.  
- Tech stack included **Kubernetes, Docker, Spring Framework, Jenkins, Redis, ActiveMQ, Elasticsearch, Postgres** and **Grafana**.
- 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.  
- Refracted the code base since it lacked extensibility and scalability.
- MAR 2015** | **Back-end Software Engineer at Bey2ollak, Cairo**  
**SEP 2012** |  
- Had hands on multiple web and database servers, maintained back-end requests adding more features and solving problems (bugs).  
- Transferred **MySQL** database into SAN storage, used JMeter for functional and load testing, benchmarked MySQL using sysbench.  
- Developed many **JSP** tools and wrote **bash** scripts to dump the database and synchronize the logs to other servers.  
- 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(Boot, Batch, MVC, Data, Security, Integration), Kubernetes, Jenkins, JPA, Hibernate, MySQL, Postgres, GIT, Maven, Jenkins, Docker, Sonar, Node-Red, OOP, TDD(Test Driven Development), BDD(Behaviour Driven Development), SCRUM, Design Patterns, CI, CD.
- Good** | Redis, ActiveMQ, Groovy, Typescript, Angular, Swagger, Load Testing "Jmeter", Logstash, Kibana (ELK Stack), PHP, Javascript, Nodejs, MongoDB, Vaadin, Jquery, JqueryUI, Bash Scripts, L<sup>A</sup>T<sub>E</sub>X
- Fair** | Python, Swift, Android, ElasticSearch

## Languages

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

## Other

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

## Tech. Interests

Reactive Manifesto, Internet Of Things, New programming languages, Scalability, Security.