Aly SALEH

Personal Information

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Date of Birth:	1 December 1991
Nationality:	Egyptian
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Experience

PRESENT
JUL 2017

Software Developer at **CHECK24 Vergleichsportal GmbH**, Munich
- Developed new loan products for **Kredite24** a new FinTech startup.
- One of the main contributers to CashReserve which is a very successful loan product.
- Integrated Digital Identification Signature APIs to our products including IDnow and WebId.
- 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.
- Tech stack included **Kubernetes**, **Docker**, **Spring Framework**, **Jenkins**, **Redis**, **ActiveMQ**, **Elasticsearch**, **Postgres** and **Grafana**.

MAY 2017
OCT 2015

Work Student Back-end Software Engineer at **IDgard.de**, Munich
- 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
MAY 2015

Work Student Java Developer at **HRForecast.de**, Munich
- Enhanced an analytics tool mainly written in Java with **Vaadin** framework.
- Refracted the code base since it lacked extensibility and scalability.

MAR 2015
SEP 2012

Back-end Software Engineer at Bey2ollak, Cairo
- 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
APRIL 2015

Master Degree in Computer Science, **Technische Universität München (TUM)**
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
JULY 2008

Bachelor Degree in Computer Science and Engineering
The German University in Cairo, Egypt
Faculty of Media Engineering and Technology Department of Computer Science and Engineering | GPA: 1.86

MAY 2012
MAR 2012

B.Sc Thesis, The University of Ulm, Germany
Faculty of Computer Science, Department of Software Engineering and Compiler Construction. | GRADE: A-/A

Programming

Excellent
Java, Spring(Boot, 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, LaTeX

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.