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 contributors 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.