Irtaza **Syed**

Software Engineer · Computer Science Major · Computer Engineering Minor

Woogstr. 22, 67547 Worms, Germany

(+49) 176 926 800 07 | irtaza@live.de | irtazas.github.io/ | irtazas | irtazas

Education

University of Applied Sciences Karlsruhe (HKA)

Karlsruhe, Germany

M.Sc. in Computer Science

Mar. 2016 - Dec. 2018

- Major in Machine Learning, Data Science and Human-Computer Interaction.
- Master thesis: "Development of a web-based user interface for measuring and visualizing radioactivity" – at CERN, Geneva

Baden-Württemberg Cooperative State University

Karlsruhe, Germany

B.Eng. in Computer Engineering

Sep. 2012 - Sep. 2015

- Major in Software Engineering and Network Administration.
- Bachelor thesis: "Design and implementation of an analysis tool for diagnosis and visualization of digital signals" – at SEW-Eurodrive

Skills

DevOps	Azure, Docker, Kubernetes, Jenkins, SonarQube, Black Duck
Back-end	REST API, Spring Boot, Micronaut, JavaEE
Front-end	React, Angular, HTML5
Programming	Java, JavaScript, C/C++
Data Science & ML	Python, IPython, NumPy, Pandas, R
Database	SQL, NoSQL, MongoDB, Postgres, MySQL
Languages	German, English, Urdu/Hindi

Experience

Daimler Mobility AG

Stuttgart, Germany

Software Engineer

Jan. 2019 - Now

- Technical owner of specification and development of Mercedes customer self service API.
- The API is a replacement for an old, monolithic architecture that is slow and cumbersome to scale. During the redesign of the architecture, one of my main tasks was to carve the functionalities from the old application into microservices.
- The new microservices architecture is being implemented with Spring Boot and JavaEE and is gradually released.
- A first version of the API, launched in 2020 serves 9 European Mercedes-Benz markets with customer data and financial services endpoints.

CERN

Geneva, Switzerland

Technical Student

Oct. 2017 - Nov. 2018

- Maintained and managed Drupal websites and database systems of the department.
- Implemented several solutions and web applications for educational purposes, including an interface for measuring and visualizing radioactivity.
- The above mentioned applications were created as part of a physics project in which, inexpensive, do-it-yourself hardware and software were provided to students allowing these to be integrated into their lessons.
- For this purpose, I used open-source environments like JupyterLab or Jupyter notebooks and enhanced them using Python libraries and self-developed typescript extensions.

EnBW AG

Karlsruhe, Germany

Fullstack Developer (Student)

May. 2016 - Aug. 2017

- Development of single-page applications and native Java software development.
- Established automated testing for web applications with Selenium.
- My objective thereby was to develop several applications in-house that were otherwise outsourced. As a result, the department was able to reduce the high expenditure for outsourcing.

SEW-Eurodrive GmbH & Co KG

Bruchsal, Germany

Computer Engineering Student

Sep. 2012 - Sep. 2015

- Integrated dual bachelor's degree program where the academic knowledge was applied and trained in practice.
- Embedded software development for frequency drivers, microcontroller programming in C/C++.
- GUI development (in C#) for controlling frequency drivers.
- Management and maintenance of switches, routers, firewalls, VPN gateways etc.