Aditya Raj
Software Engineer

A dedicated and enthusiastic graduate with experience in developing enterprise applications using cross cutting tools in diverse platforms such as Spring Boot, Kotlin and Javascript. Excellent interpersonal skills and the ability to communicate at all levels. I enjoy part of being in a successful team and thrives in diverse working conditions.

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WORK EXPERIENCE

Software Engineer
MicroDoc GmbH

04/2019 - Present   *Berlin, Germany*

Tasks
- Active communication and participation in providing and implementing ideas for developing existing application framework
- Working in an agile team to provide APIs for web and mobile app development for Sparkasse bank. This involves extensive use of Java and Kotlin based front end development and providing APIs for several UI Components based on Spring Thymeleaf and Kotlin

Java Software Engineer
Accenture Technologies GmbH

04/2018 - 03/2019   *Wolfsburg, Germany*

Tasks
- Providing backend support for the JAVA Enterprise application
- Implementing possible improvements such as in-memory database, integrating algorithm to support custom printing abilities for web pages

Research Intern
Salzgitter Flachstahl GmbH

07/2017 - 06/2018   *Salzgitter, Germany*

Achievements/Tasks
- Developed a unique Voting Outliers Using Randomized Sampling (VOTERS) algorithm to analyse defect patterns in long steel bars. The algorithm was tested in R and was integrated to Salzgitter JAVA based software to support automated extraction of outliers from XML files using JAXB, dimensionality reduction and unsupervised machine learning.
- Improved steel quality classification system of the company using Unsupervised Machine Learning.

EDUCATION

Master of Internet Technologies and Information Systems
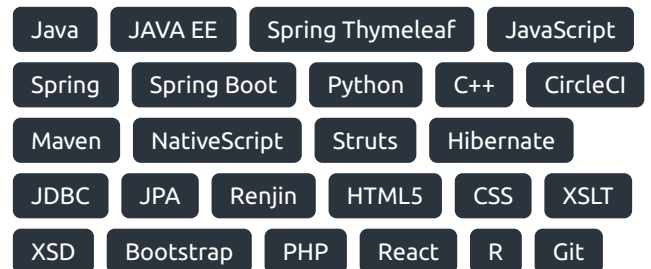Technische Universität Clausthal

09/2015 - 03/2018   *Clausthal-Zellerfeld, Germany, Grade: 1.4/5*

Courses
- Machine Learning
- Wireless Sensor Networks
- Database as a service
- Simulation Sciences

SKILLS

`Java` `JAVA EE` `Spring Thymeleaf` `JavaScript`
`Spring` `Spring Boot` `Python` `C++` `CircleCI`
`Maven` `NativeScript` `Struts` `Hibernate`
`JDBC` `JPA` `Renjin` `HTML5` `CSS` `XSLT`
`XSD` `Bootstrap` `PHP` `React` `R` `Git`

WORK PROJECTS

Sparkasse Internet Banking Framework Development (08/2019 - Present)
- Upgraded internet banking desktop application with Spring Thymeleaf and dynamic data binding using Java and Kotlin

Sparkasse Mobile Application Framework (04/2018 - 07/2019)
- Improved testing framework for mobile application and integrated customised UI components specific to Sparkasse requirements

Volkswagen Dealer Portal Application Development (06/2018 - Present)
- Integrated feature requests and custom functionalities in VW dealer portal based on Struts, Java EE, Spring and Rest API
- Provided unique solution to generalise internationalised pdf generation

ACHIEVEMENTS

Published a research paper on Cooperative Locality-aware Data Processing in Heterogeneous Wireless Sensor Networks project at Fachgespräch Fog Computing conference.
https://www.areinhardt.de/publications/2018/Raj_FGFC_2018.pdf

Received DAAD Scholarship to pursue Bachelors thesis at TU Clausthal, Germany in the field of cooperative autonomous vehicles using Agent based simulations

LANGUAGES

German
Limited Working Proficiency

English
Full Professional Proficiency

INTERESTS

`Badminton` `General Affairs` `Music` `Physics`