Matthias Rebel

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Profesional Summary

5 years experience in software development and systems engineering in customer projects. Powerful web applications such as online newspapers and archives. Search, information extraction, natural language processing; Distributed, scalable data systems; Diploma in Computational Linguistics. Strong interest in the planning and implementation of scalable applications. Can manage legacy systems.

Areas of Interest

- SOA, Microservices, Continuous Delivery, Open Source

- Agile Methodologies, Twelve-Factor App, OKR

- Natural language processing, Search engines, Semantics, Automation

- Python, AngularJs, ElasticSearch, GIT, Raml, Jenkins, Docker, Marathon

Workstyle

Preference to be organized, logical, structured, objective and decisive about what is conceptually valid. Enjoy working with others, especially when taking charge and adding a strategic plan.

Profesional Experiences

05/2016–present   **Systems Engineer** - *Retresco GmbH*, Berlin

- Requirement analysis, concept creation and project planing

- Technical consultancy for Clients and ProjectManagers

- Reshape a monolith into services, containerize and apply CD

- SLA-Support for Search-, Crawling and TMS-Projects

- Research on Evidence based scheduling

| 12/2011–04/2016 | **Software Developer** - *Retresco GmbH*, Berlin |

- Searchinterface for a data archive - BE (Python, Tornado, Solr)
- GUI-Design and development of TMS - FE and BE (AngularJS, Tornado, ElasticSearch)
- Rule based relation extraction in short message (Python Module)
- Profile based newssite crawling (Python, Scrapy, Sqlite, XML)
- Streamprocessing and Personalization - FE and BE (Python, Flask, Tornado, Coffescript, Kafka, ElasticSearch)

| 05/2009—04/2011 | **Student Researcher** - *Deutsches Forschungszentrum für künstliche Intelligenz*, Berlin |

- Developing a multilingual dialog assistent (PHP, Objective-C)
- Improvments on workflow and dialog structures

| 03/2006—02/2009 | **Student Researcher** - *Universität Potsdam*, Potsdam |

- Word to XML, XSLTransformations (Existdb, Tomcat)
- Search interface / website for the data (Python)

| 08/2003—07/2005 | **Media Educator** - *Pfefferwerk gGmbH*, Berlin |

- Lectures in computer interaction for kids
- Lectures in photoshop and drawing for trainees

Education

| 2005–2011 | **Diploma in Computational Linguistics** - *Universität Potsdam*, Potsdam |

Diploma thesis: *Optimierung der Dialogstrukturen einer bilingualen elektronischen Kommunikationshilfe*
Final Grade: 1,5
Publication:

Sven Schmeier, Matthias Rebel, Renlong Ai; ; ; *Computer Assistance in Bilingual Task-Oriented Human-Human Dialogues*; ; ; In Proceedings of the 14th International Conference on Human-Computer Interaction. Human Computer Interaction International Conferences (HCII-2011), July 9-14, Orlando, Florida, United States, Springer, 2011.

| 1999 | **Abitur** - *Wessenberg Gymnasium*, Konstanz |

Languages

German (native language)
English (fluent)