



PERSONAL PROFILE

Name: Mikołaj Mańczak
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EDUCATION

Technische Universität Berlin
2013 - today
Computer Science (Bachelor degree)
Software development specialization



SKILLS

Frontend: HTML5, CSS3, Sass, JavaScript, TypeScript, React, Next.js, Redux, Apollo, Service Workers
Backend: Node.js(Express), Java
Communication: HTTP(Fetch, Axios), WebSockets(socket.io)
Web service architectures: REST, GraphQL
Databases: MongoDB, MySQL
Version control : SVN, Git
Testing: Selenium, JUnit, TestNG
Other tools: Webpack, Babel, npm, Maven, Postman, Jenkins, Chrome DevTools

General Software Development knowledge(requirements engineering, system design methodologies, architecture styles, design patterns, software metrics, verification and validation principles)

General Web Development knowledge:

- performance optimization (caching techniques, reducing HTTP requests, code splitting)
- understanding of cross-browser compatibility issues and ways to work around them
- common practices (A/B testing, user behavior tracking and analysis, search engine optimization)



EXPERIENCE

Siemens AG
Mobility Division (Research & Development Team)
April 2018 - today
Software Engineer
working student

Developing a platform (full stack web application with React & Redux on the frontend + Node.js on the backend + MongoDB) to handle regression testing Selenium scripts(which I also implemented). Responsible for the entire project including: system design, implementation, verification and validation.

Cubitabo GmbH
September 2014 - April 2018
QA and Automation Engineer
working student

Responsible for Quality Assurance and Automation(Java, TestNG, Selenium) while simultaneously holding the position of Scrum Master(enhanced by Atlassian's Jira and Confluence). Additionally performed: data analysis, research, roadmapping and management as I gained experience.



LANGUAGES

English
fluent

German
fluent

Polish
native



PROJECTS & INTERESTS

"Lexa" - Voice Management System (similar to Amazon Alexa or Google Home)
<http://mikomanczak.github.io/Lexa>

Developed together with fellow students as part of our "Programmierpraktikum" (final practical assignment before bachelor thesis).

My part was to implement commands to execute(given text recognized from speech). Commands either performed an action by controlling browser through Selenium ("Lexa, open netflix and play") or returned fetched data from an API ("Lexa, what's the weather?").

I implemented my part of the project in Java, built it with Maven and integrated it into a thread handler("Lexa, stop") developed by other team members. Entire application was in the end deployed to a Raspberry Pi equipped with a microphone.

All rights belong to the Department for Open Distributed Systems at Technical University Berlin. I'm allowed to present the source code upon request though.