



## 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, WebSockets  
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(Express) on the backend and MongoDB intended to manage quality assurance of safety critical internal software
- Implementing automated regression testing scripts with Java, Selenium and TestNG

Responsible for the entire project including: system design, implementation, verification and validation.

Cubitabo GmbH  
Septemebr 2016 - April 2018  
Scrum Master  
working student

- Facilitated all scrum processes (enhanced by Atlassian's Jira and Confluence)
- Monitored the development progress throughout each sprint to ensure that project advances and meets specified requirements
- Supervised contractors and remote developers
- Analysed Google Analytics reports, A/B tests and heatmaps(Visual Website Optimizer) in order to provide statistical insights about the product and user behaviour
- Technical research and roadmapping
- Product management

Cubitabo GmbH  
September 2014 - Septemebr 2016  
QA and Automation Engineer  
working student

- Developed QA strategy and integrated it into development process
- Implemented scripts to automate regression testing with Java, Selenium and TestNG
- Debugged discovered issues (inspected in the backend to provide developers with detailed technical reports)
- Implemented internal tools for my colleagues to streamline time-consuming, repetitive tasks across different departments (Java)



## LANGUAGES

English  
fluent

German  
fluent

Polish  
native