

Technologies and Languages

- Languages: Java, C++, JavaScript, Go, Python, PHP, Ruby, C
- Technologies: React, Rails, Symfony, Flask, MySQL, Postgres, AWS, Google Cloud, Git, Jenkins, Ansible
- Other: Web application development, shell scripting, API design, database implementation, unit testing

Work Experience

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| Software Developer Intern
Hub team | CHECK24
Berlin, Germany | Oct 2022 – Jul 2023 |
| <ul style="list-style-type: none">• Reduced data retrieval times with a 30% speed-up by implementing backend API endpoints, optimizing user information exchange between three core services• Decreased onboarding time by 15% by building a documentation portal for 6 projects, serving 40+ engineers, that updated on-the-fly according to OpenAPI specs• Increased an average session duration by 20% by implementing 10+ interactive frontend pages• Enhanced analytics by integrating user tracking on all pages, capturing 10,000+ users | | |
| Software Developer Intern
Digital Learning team | FRAUNHOFER INSTITUTE
Berlin, Germany | Nov 2021 – Sep 2022 |
| <ul style="list-style-type: none">• Increased content variety by 35% by designing new API endpoints, connecting 100+ content provider services• Increased content accessibility by 25% by transforming metadata formats for 20+ providers• Reduced datastream latency by 40% by implementing Selenium-based automated testing for mobile devices | | |

Education

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| M.Sc. Computer Science , Georgia Institute of Technology, Atlanta, US
Coursework: <i>Database System Implementation, Software Analysis, Computation Data Analysis</i> | Aug 2023 – expected Aug 2025 |
| B.Sc. Computer Science , Technical University of Berlin, Berlin, Germany
GPA 3.6/4.0, the #2 ranked university for Computer Science in the country
Coursework: <i>Algorithm Engineering, Computer Graphics, Distributed Systems Prototyping</i> | Oct 2020 – Aug 2023 |
| Preparatory college , Technical University of Berlin, Berlin, Germany
GPA 3.7/4.0, Technical course | Aug 2019 – Sep 2020 |

Selected Projects

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| FedMart — A federated marketplace toolkit for integration of microservice-based shops
Go, React, PostgreSQL, Docker, Google Kubernetes Engine | Aug 2023 |
| <ul style="list-style-type: none">• Achieved a 90% on-time project completion rate by leading a 7-member squad, ensuring efficient task delegation• Increased building and deployment time by 70% by dockerizing the toolkit and deploying it on GKE• Developed a universal protocol for connecting any microservice-based shop, resulting in the seamless integration and exchange of item information with two established open-source shops | |
| FindBotel — A holiday booking system within your favorite messenger
Python, pyTelegramBotAPI, Flask, AWS | Aug 2022 |
| <ul style="list-style-type: none">• Implemented in 2 weeks a search engine for a scholarship challenge for computer science students (awarded)• Optimized search over the large dataset (15GB+, 100+ million entries) from 104 seconds to 0.0025 seconds by integrating BTree indexing, optimizing the SQL operator usage, and improving data formatting• Integrated telegram payment API for direct purchase of the package holiday | |
| MTS — A catalog of modules at the Technical University of Berlin in Telegram bot
Python, pyTelegramBotAPI, BeautifulSoup, PostgreSQL | Nov 2021 |
| <ul style="list-style-type: none">• Enhanced catalog accessibility by developing a parser, seamlessly managing 10,000+ modules• Attracted 100+ active users in the initial month, marking a 20% month-on-month growth rate• Introduced an in-house review and feedback mechanism to collect insights about individual modules | |

Achievements

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| • Amazon Mentorship program : highly competitive mentorship program for engineering students | Feb 2023 – Present |
| • Naumann-Etienne scholarship : full scholarship for graduate studies at Georgia Tech | Dec 2022 – Present |
| • German National scholarship : issued by The Federal Government and private sponsors | Oct 2022 – Present |
| • GenDev Scholarship CHECK24 : issued by Check24 for talented computer science students | Oct 2022 – Present |
| • Russian National Olympiad in German : twice prize winner in the final stage, Top-19 / 192 | Apr 2018, 2019 |