

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

Education

Georgia Institute of Technology, M.Sc. Computer Science Aug 2023 – expected Dec 2025
GPA 4.0/4.0, full scholarship for graduate studies Atlanta, US

Technical University of Berlin, B.Sc. Computer Science Oct 2020 – Aug 2023
GPA 3.6/4.0, the #2 ranked university for Computer Science in the country Berlin, Germany

Work Experience

CHECK24 Vergleichsportal Oct 2022 – Jul 2023
Software Engineer Intern Berlin, Germany

- 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

FRAUNHOFER INSTITUTE Nov 2021 – Sep 2022
Software Developer Intern Berlin, Germany

- 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

Selected Projects

FedMart — A federated marketplace toolkit for integration of microservice-based shops Aug 2023
Go, React, PostgreSQL, Docker, Google Kubernetes Engine

- 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 Aug 2022
Python, pyTelegramBotAPI, Flask, AWS

- 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 Nov 2021
Python, pyTelegramBotAPI, BeautifulSoup, PostgreSQL

- 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

- **Amazon Mentorship Program:** Highly competitive mentorship program 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 – Nov 2023
- **GenDev Scholarship CHECK24:** Issued by Check24 for talented computer science students Oct 2022 – Sep 2023
- **Russian National Olympiad in German:** Twice prize winner in the final stage, Top-19 / 192 Apr 2018, 2019