

Abdoulkader Haidara

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SUMMARY

- Software developer & Co-founder at HackBio
- Familiar with a wide range of programming languages and utilities
- Solid knowledge in mathematics, data structures and algorithms
- Strong teamwork skills
- Fluent in French, English and Russian

EDUCATION

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| Yandex Summer School <i>School of backend developers in Go</i> | Moscow, Russia <i>June. 2023 – September. 2023</i> |
| Moscow Institute of Physics and Technology <i>Bachelor of Applied Mathematics and Computer Science (GPA: 8.3/10)</i> | Moscow, Russia <i>Sept. 2020 – Present</i> |
| National Research University Higher School of Economics <i>Preparatory Course</i> | Moscow, Russia <i>October 2019 – August 2020</i> |

EXPERIENCE

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| HackBio <i>Software Developer</i> <ul style="list-style-type: none">• Built and maintained HackBio's Learning Management System• Typescript(Nextjs and Reactjs) on the frontend• Python(FastAPI), Golang(FastHttp), NodeJs(Nestjs) on the backend• Nginx as a reverse proxy | December 2021 – Present <i>Remote</i> |
| Freelance Fullstack developer <i>Software Developer</i> <ul style="list-style-type: none">• <u>N'Ticket</u>: Developed the entire application• <u>N'TA Digital</u>: Developed the entire application• <u>Studappy</u> | October 2020 – Present <i>Remote</i> |
| MIPT Teaching assistant <i>Python Fullstack Course, Golang Course</i> | September 2023 – Present <i>Remote</i> |

AWARDS

- Russian Government Scholarship for Bachelor's program
- Government stipend for excellent students

PROJECTS

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| Thesis: Matrix Product State <i>Supervisor: Richik Sengupta</i> <ul style="list-style-type: none">• Explore the process of storing quantum states as Matrix Product States |
| Real time chat application for desktop <i>C++, Qt, TCP/IP</i> (View on Github) <ul style="list-style-type: none">• Client-server model based real time chat application for desktop• Allow local network connection as well as connection through the internet• TCP/IP protocol is used to send messages |
| Client-server multithreading downloader <i>Go, Javascript, ExpressJs</i> (View on Github) <ul style="list-style-type: none">• The downloader makes use of RFC7233 to identify the size of the resource to download• Initiates partial downloads concurrently with the help of multiple go-routines• Once all segments are downloaded, all the individual segments are merged into a final file |
| Reddit Clone API <i>Python, FastAPI, Docker, Kubernetes</i> (View on Github) <ul style="list-style-type: none">• Clone of reddit post & votes api, Docker & K8s• K8s Permanent disk storage, K8s Ingress & Autoscaling |

TECHNICAL SKILLS

Languages: Python, Java, C/C++, Go, Typescript/Javascript, SQL (Postgres, MySQL), HTML/CSS

Frameworks: React, Nestjs, Nextjs, Node.js, FastAPI, Spring Boot, FastHttp, Gin

Developer Tools: Git, Docker, Kubernetes, VS Code, GCP, AWS, Linux, MacOS, MongoDB, Selenium