

MUHAMMAD UZAIR AFTAB

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LANGUAGES & SKILLS

Docker • Digital ocean, AWS • Git • High Performance Computing • PostgreSQL, SQLite
Rust, Typescript, JavaScript, Tailwindcss, HTML, CSS, SQL, PGSQL, Python

EDUCATION

AUG 2018 – JUNE 2023
Master of Science in Data Science
Norwegian University of Life Sciences, Ås, Norway.
- Specialization in **Physics**

PROFESSIONAL EXPERIENCE

MAR 2023 – FEB 2025
NMBU - Norwegian university of life sciences – Head Engineer
Ås, Norway.
- Maintained a low-threshold innovation hub, ensuring accessibility for students.
- Led student mentoring and recruitment for Eik Lab, fostering collaboration with industry professionals..
- Managed daily operations and provided training on essential infrastructure, including the electronics workshop and Rapid Prototype Lab.
- Planned workshops, and hackathons with The Government Pension Fund of Norway and other industry partners.
- Guided student projects and supported startups in their technical development.

MAR 2023 – PRESENT
Polymath AS – Founder
Ås, Norway.
- Founded Polymath AS in 2023, focusing on efficient full-stack application development with Rust, and TypeScript.

SEPT 2024 – PRESENT
Stormwater – Founder
Oslo, Norway.
- Founded Stormwater in 2024 after getting the STUD-ENT grant from Innovation Norway, aiming to digitalize and streamline the engineering work required to account for stormwater.
- Led the technical development, overseeing and coordinating the collaboration between the software developers and the internal stormwater engineer.

JAN 2021 – MARS 2023
Njord Technologies AS – Founder
Ås, Norway.
- Co-founded and managed Njord Technologies from 2021 to 2023 with Aleksander Eriksen, focusing on full-stack application development primarily in TypeScript.

MAY 2020 – JAN 2021
Norwegian University of Life Sciences – Lecturer and Teaching Assistant
Ås, Norway.
- Lecturer and Teaching Assistant for the subjects TEL100, TIN100, and TIN200.
- Developed teaching materials in the form of video lectures during COVID-19 for Arduino, IoT, Python and Streamlit
- Held lectures and aided students with project work within Arduino, IoT, Embedded systems, and High fidelity prototyping.

MAR 2020 – JAN 2021
Ledo AS – Software Developer
Ås, Norway.
- Planned and executed a technical feasibility study within the field of aqua culture and computer vision.

OPEN SOURCE INVOLVEMENT

Core Maintainer

- **Astrocommunity** – <https://github.com/AstroNvim/Astrocommunity>

COMMUNITY INVOLVEMENT

AUG 2018 – JUNE 2023
Eik Lab, formerly Eik Ideverksted
Norwegian University of Life Sciences.
- Took on software development projects with industry partners with the goal to attain hands-on experience outside of the curriculum.
- Held workshops within the field of machine learning, and mentored students interested in fullstack and backend development.
- Spearheaded the creation of the Eik Lab mentors to improve the experience for new students at Eik Lab.