

# MUHAMMAD UZAIR AFTAB

📍 Fetsund, Norge   📞 +47 412 72 901   ✉ uzair@polmath.no   🐱 github.com/uzaaft

## LANGUAGES & SKILLS

Full-Stack Development • API development • Database Design • Application development in Tauri • High Performance Computing

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 – PRESENT  
**Polymath AS – Founder**  
*Ås, Norway.*  
- Engaged in software development projects with industry partners at the Norwegian University of Life Sciences to gain practical experience beyond the curriculum.  
- Conducted machine learning workshops and mentored students in full-stack and backend development.  
- Initiated the establishment of Eik Lab mentors, enhancing the onboarding experience for new students at Eik Lab.

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.  
- Created a full-stack web application using TypeScript and Next.js for Tap.IT AS, designed to collect and visualize sensor data.  
- Contributed as a developer to a project that produced advanced engineering software, fostering a data-driven sales approach within the client's organization.  
- Engineered and integrated a feature for Soundsensing AS that generates data-driven reports, seamlessly incorporating it into their existing backend and frontend systems.

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.

OCT 2020 – JAN 2021  
**Sensorita AS – Software developer**  
*Ås, Norway.*  
- Sensorita is a startup, specializing in pioneering sensor technology for precise fill-level measurement in large waste containers, combining radar signals and machine learning for reliability in extreme environments.  
- Led the software development of the first Proof of Concept for Sensorita AS alongside their CTO, Emil Skar, programming the backend, and the software that interfaced with and collected data from the Sensors.

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.

## PROJECTS

**Astrocommunity**  
*Software Development.*  
- Core maintainer for a powerful community drive Neovim plugin ecosystem in **Lua**, with >800 stars  
- **Handle issues and review Pull Requests** raised by users of this software

## 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.