

# Sergio Alejandro Rosales Vargas

STUDENT · M.Sc. SPACE ENGINEERING

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*“Aim to the stars.”*

## OHB SE Hiring Manager

March 12, 2025

MANFRED FUCHS PLATZ 2-4  
28359 BREMEN

### Reference: Application for “Avionics Architect”

Dear Hiring Manager,

My name is Sergio Rosales, and I am writing to express my interest for the position of Avionics Architect at OHB SE. With my background in Space Engineering, hands-on experience in electronics design, and active participation in aerospace projects, I am confident that my skills are well suited for the position.

Currently, I am completing my master thesis in the field of Space Engineering. Although my academic background is not primarily in electronics, my experience in R&D, particularly at IMEMED, has allowed me to develop critical skills in electronics design. During my time there, I led the electronics design team, in the development of Bolivia’s first ICU ventilator and portable X-ray machine, projects that involved solving complex technical challenges in real-world applications.

In addition, as a member of the Avionics team in the student initiative ASTRA e.V., I contributed to the design of a rocket that aims to reach the Kármán line. This experience gave me valuable insight into avionics systems, interface management, and system-level trade-offs. My recent involvement in the thermal engineering team at ArianeGroup further deepened my understanding of aerospace development processes and reinforced my ability to work in multidisciplinary teams.

Although, I have not yet participated full lifecycle of a project in the aerospace industry, I am highly motivated to expand my expertise in this area. I am highly motivated to continuously develop my expertise.

I share OHB SE’s commitment to innovation, efficiency, and technical excellence. This makes me eager to the opportunity of growing my leadership skills, improving my teamwork capabilities, expanding my knowledge of synergy work, and most importantly, applying my agile traits.

In conclusion, my goal is to learn and offer all my abilities and experience in return. I am thankful in advance for considering me for this opportunity.

With utter enthusiasm I look forward to your reply.

Sincerely,

**Sergio Alejandro Rosales Vargas**