

# Najib M. VALEYEV

+351913891844 · NAJEEBENGINEERING@GMAIL.COM

LinkedIn: [www.linkedin.com/in/najeebengineering](https://www.linkedin.com/in/najeebengineering)

Engineering leader with proven skillset of automating complex processes and troubleshooting machinery issues. Combining technical expertise in mechanical design, electronics and 3D modeling with strong problem-solving, communication and team-building skills essential to optimize workflows, manage team productivity, mitigate risks and deliver projects on schedule, with a strong soft skills to excel in engineering leadership roles.

---

## ACADEMIA

### Vilnius Gediminas Technical University

Master's in Aerospace Engineering | 2022 - Present | Mobility at **University of Beira Interior** (UBI)

Graduate Project:

UAV Radio Frequency Anti-Tampering Solutions.

### National Aviation Academy

Bachelor's in Aerospace Engineering | 2018 - 2022

Graduate Project:

Development of micro-satellite's load-bearing structure.

---

## PROFESSIONAL EXPERIENCE

Oct 2019 - Present

### KHALITOV ENTERPRICES INC

#### Software Developer

Facilitate the realization of bespoke, feature-rich and production-ready solutions that effectively address unique organizational challenges and fulfill strategic objectives defined by clientele.

Accomplishments:

- Prototyped a complete digitalization solution to fit the complex, and compliance essential sector.
- Elaborated a simple and incomplete expansion plan with establishment of a coherent web resource.
- Assembled and arranged an Internal Resource Management tool using mainly JavaScript, providing an immense productivity increase, as well as, an expanded field of customer reach for the authorised staff.
- Developed and maintained customer mobile application, where I demonstrated Full-Stack programming skills using Flutter, JS, Swift, Kotlin.
- Allocated a full-fledged back-end server for all customer services, secured their data, and added monetisation system into the ecosystem.
- Implemented various API services across platforms and programming languages in use for the whole digital HR management suite.

### ETI (Naval Architecture Bureau)

Oct 2021 - Dec 2021

#### Automation Engineer

Taken an innovative and novel approach to assist Naval Architects optimize hull design.

Accomplishments:

- Lead a CI/CD cycle implementation into a manufacturing processes of a composite vessel.
- Utilized CAD software along with FEM techniques to simulate and predict vessel's performance.
- Proposed a set of viable solutions to drastically increase the capabilities of the vessel in case of vessel operation contingencies.

### ECOLO BLUE BAKU

Sep 2021 - Oct 2021

#### Marine Coating Engineer Assistant

Provided technical assistance and support to marine engineers in assessing coating conditions, recommending coating specifications, and implementing coating strategies for a composite vessel.

Accomplishments:

- Researched and validated new paint and coating solutions including cleaning, pre-treatment, base-coat, and top-coat.
- Set up networks with coating solutions suppliers to select and conform coatings and coating systems to match the needs of both R&D requirements and workshop facility capacities.

**Automation Engineer Assistant**

Leveraged automation and digitization to improve the efficiency and performance of systems and processes.

**Accomplishments:**

- Implemented Electrical Automation acumen to increase overall conformity of operations to safety protocols, furthermore allowing better workplace satisfaction for colleagues.

---

## CONDUCTED PROJECTS

**Aeronautical Field**

- TeknoFest by T3 & Bayraktar  
Planned UAV Sailplane missions by assessing budget requirements, preplanning equipment needs, and generating comprehensive roadmaps to ensure successful execution.
- Strategically planning missions
  - Assessing budgets
  - Preplanning equipment
  - Generating roadmaps
  - Running overload tests on the UAV
  - Performing a review & resetting of the initial flight control unit presets
  - Successfully running the mission in an unanticipated frequency contingency
  - Preparing a presentation plan with feedback gathering.

**Marine Field**

- Mar&Ar Project  
Leading a team of 3 to enhance an efficiency of commercial delivery drones.
- Outlined a Basic concept
  - Followed training manuals to cohere to a given project development approach
  - Employed Research & Development skills to effectively integrate own research paper on BLI technology into the project, and started converting the theoretical concept into a potential startup.

**Space Field**

- CANSAT  
Lead R&D, Satellite design, for the development of a nano Satellite in collaboration with 2 Institutes.
- Guide technical development and decision-making across satellite systems disciplines, leading mission definition and design.
  - Mentor team members and ensure the technical integrity of all contributions.

---

## LABORATORY EXPERIENCE

**LABORATORY TECHNOLOGY SPECIALIST – TRIBOLOGY LAB @NAA**

- Maintaining And Operating Laboratory Bruker UMT-2 equipment,
- Optimizing measurement and data acquisition processes,
- Producing Reliable Test Results and Analyzing them.

**Primary equipment**

- Bruker Corp. UniversalMechanicalTester with a wide variety of Set-ups and Conditions.
- Scanning Tunneling Microscope.
- Atomic Force Microscope.

---

## QUALIFICATIONS

Intellectual  
Property Law  
Specialization

Google Cloud  
Application Development  
Specialization

Full Stack Web  
Development  
Specialization

---

## LANGUAGES & IT SKILLS

- English, Russian, Tatar, Azerbaijani, Turkish, Portuguese.
- Aerospace & Naval: STK, Ansys, Solidworks, Autodesk, Rocket Propulsion Analysis, Matlab, Proteus, Eagle CAD, Arduino, SCADA, Qt, SimScale.
- App Development: Dart/Flutter, HTML/CSS, JS, Kotlin/Java, C/C++, Swift, Python, Java.
- General: LaTeX, UMT Suite.