

IndieBI Spółka Akcyjna
Polskiej Organizacji Wojskowej 25
90-248 Łódź

Letter of Recommendation

June 14, 2023

To Whom It May Concern,

Marek Szumny successfully completed his internship in IndieBI from **May 2023 to June 2023**.

During his internship, **Marek** distinguished himself by:

- Being highly involved since day 1,
- Exhibiting a great deal of independence at work,
- Showing a positive attitude towards developing himself.

Marek's significant achievements were:

Creating the first set of end-to-end tests in TypeScript and the Playwright framework (page object model) for the IndieBI desktop application based on the Electron framework, specifically:

- Automating test coverage of the new user registration process:
 - Executing the "Happy Path," including account activation procedures, which required integration of tests with external services (APILayer / Microsoft Graph API) to help extract information from emails sent to test users
 - Checking the compatibility of interface elements at each stage of the process, their correct functioning, and text content
 - Verifying negative paths, such as entering incorrect or expired data, and validating error notifications
- Proposing and initially implementing the architecture of the internal test framework, using helper classes for reusable components used in the application
- Producing a documentation file describing how to run and debug created tests

I confidently recommend Marek Szumny for further opportunities, as his dedication and technical skills have proven valuable to our team at IndieBI.

Marcin Graczyk,
Engineering Manager at IndieBI

