



JetBrains GmbH
Christoph-Rapparini-Bogen 23
80639 München
Tel.: +49 (0) 89 255 596 - 500
Fax: +49 (0) 89 255 596 - 588
E-Mail: jetbrainsgmbh@jetbrains.com
www.jetbrains.com

Reference Letter

To whom it may concern:

This is to certify that Oleg Bobrov participated in an internship at JetBrains from 15.12.2022 to 15.05.2023 (a total of 416 work hours), under the supervision of Marat Akhin, Senior Software Engineer.

Internship project: Fuzzing for klib libraries

Working Tasks:

1. Redesign and reimplement the existing Kotlin compiler fuzzer as a loosely-coupled system to support easier extension, experiments and evaluation
2. Add support for the Kotlin/Native compiler
3. Design and implement klib-specific transformations for the fuzzer
4. Evaluate the final results

Feedback

I am writing to you to provide a reference for Oleg Bobrov, whom I had the pleasure of mentoring during his internship at JetBrains.

Oleg consistently demonstrated exceptional technical acuity as a developer. He excelled in executing well-defined tasks, often impressively overcoming numerous challenges within tight time constraints. His ability to comprehend and implement complex systems is notably commendable. In particular, his adeptness at understanding the existing fuzzer implementation and leveraging it for novel tasks demonstrated his resourcefulness and adaptability.

However, it is essential to note that Oleg's approach to problem-solving is more suited to structured contexts. He encountered some challenges when faced with complex, research-oriented topics within the internship, and his self-initiative could have been more pronounced in these instances. I firmly believe that with guidance and encouragement, he could further hone his ability to persistently engage with unfamiliar concepts and incrementally develop a thorough understanding, which is crucial for any exploratory process.

Despite the obstacles, Oleg effectively managed to contribute to the project's success. While he may not have found any klib-relevant bugs or implemented many klib-specific aspects, he laid an excellent foundation for future research on the Kotlin compiler fuzzing. His efforts have



JetBrains GmbH
Christoph-Rapparini-Bogen 23
80639 München
Tel.: +49 (0) 89 255 596 - 500
Fax: +49 (0) 89 255 596 - 588
E-Mail: jetbrainsgmbh@jetbrains.com
www.jetbrains.com

paved the way for more advanced developments, which, given the time, I am certain would yield fascinating results.

In summary, Oleg is a solid developer with significant potential for growth and adaptability. He excels in areas where tasks are well-defined and possesses a valuable ability to understand and implement complex systems effectively. I am confident that, given the right opportunities and guidance, he will continue to expand his skill set and bring a high level of competence and commitment to any project.

Marc AKHIN / 

15.05.2023