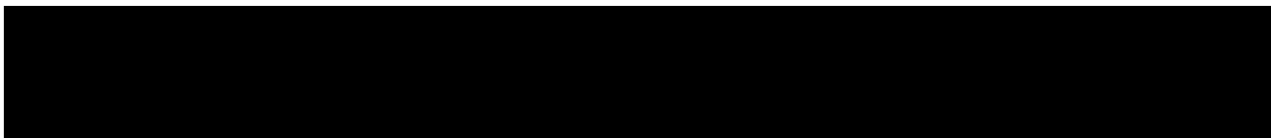


Calltouch

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Supporting letter for Mr. Alexey Inkin.



Our company hired Mr. Alexey Inkin as a senior software developer in the PHP programming language in July 2019. He had been working for the company until September 2020. He has been primarily working on the backend that supported the user interface for our customers. His responsibilities included:

- Refactoring the authentication system.
- Systemic measures to improve code quality.
- Optimizing database queries.
- Developing new reports available to our customers.
- Retiring outdated components.

During his employment, Alexey made a few significant contributions to our products:

Critical vulnerability fixes. We were making our authentication system more robust and flexible, and we needed the audit of the code that manages privileges. Alexey did that as part of his duties. He did find and fix critical vulnerabilities to the code before they were deployed and could be exploited. This can not be underestimated.

Authentication system refactoring. Apart from fixes, Alexey completed the migration to the more advanced system of managing privileges and helped retire the old version. This freed a lot of resources busy with maintenance, and this itself improved the performance of the department.

A tool to visualize the privilege tree. A side effect of authentication system migration was duplication of privileges and redundancy in role inheritance. We only had textual representation of the role tree in our database. Alexey had developed a tool to build that tree visually to easily detect redundancy so it can be removed. This reduced mental resources required to maintain the system.

PHPStan improvement. To verify our software quality, our company used to rely on code reviews, tests, and the built-in hints of IDE (code editors). We did not use static analysis in our server-side workflows because the industry-standard tool PHPStan was showing a lot of false positive errors around variable types. In April and May 2020, Alexey used his spare time to improve that tool in a great way. This made it suitable for our workflows. He then helped us integrate the tool into our deployment process. This extra check significantly reduced accidental downtime and the frequency of required emergency fixes. This improved the quality of our product and customer experience. This was critical because it was the time of the pandemic, and customers were jumping off easily in case of service disruptions.

Mr. Alexey Inkin's expertise in programming, coupled with his dedication and problem-solving abilities, made him an asset to our team. Based on his critical contribution, I recommend Mr. Alexey Inkin for a wide range of technical tasks.

Sincerely,





(Signature)

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