



Daniel Doubrovkine  
Principal Engineer, AWS OpenSearch  
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To Whom It May Concern,

I am pleased to provide a heartfelt recommendation for Alen Abeshov, based on his exceptional contributions during the College Contributor Initiative (CCI) internship. I have witnessed first-hand his technical prowess, dedication, and zeal for collaborative software development.

Throughout his 12-week internship, Alen made significant strides in three pivotal repositories: opensearch-go, opensearch-build, and opensearch-api-specification. Not only did he demonstrate a depth of technical understanding, but he also fostered positive collaborations with industry mentors like dblock, peterzhuamazon, prudhvigodithi, and gaiksaya.

In the **opensearch-build** repository, Alen showcased meticulous attention to detail and a commitment to enhancing user experience. Some of his remarkable contributions include:

- Enhancing the [Release Dockerfile](#) for improved version tracking.
- Revamping the [README](#) for clarity and user accessibility.
- Collaboratively rectifying an [issue in the documentation](#) alongside his colleague, Takeshi.
- Addressing and fixing a [building image path problem](#) that improved the image building process.

His largest and perhaps most impactful contributions lie within the **opensearch-api-specification** repository. Guided by accomplished mentors such as Theo (nhtruong), Thomas (Xtansia), and Vacha (VachaShah), Alen embarked on a journey that significantly enriched the repository:

- Created a framework for the [PIT (point in time) API](<https://github.com/opensearch-project/opensearch-api-specification/pull/104>).
- Contributed extensively to the Security Plugins API for Smithy, including specifications for the [FlushCache](#), [Certificates](#), [Tenant](#), [Action Groups](#), [Distinguished Names](#), and another distinct [Certificates API](#).
- Further enriched the repository by adding a comprehensive [documentation link](#).

The feedback from our assessors speaks volumes about Alen's exceptional character and tenacity. His voluntary efforts to grasp OpenAPI and Smithy, even outside the scope of the CCI program, not only reflect his proactive nature but also his dedication to producing quality work. Through active participation and unrelenting pursuit of excellence, Alen consistently delivered high-quality API specifications.

In conclusion, it's evident that Alen's journey with CCI was not just about technical contributions;

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it was about community, collaboration, and continual learning. I firmly believe that Alen Abeshov is an invaluable asset, and I wholeheartedly recommend him for any technical or collaborative endeavor.

Warm regards,

Daniel Doubrovkine  
Principal Engineer, AWS OpenSearch

A handwritten signature in black ink, consisting of a large, stylized 'D' followed by a series of loops and a long horizontal stroke.