
[EDUNINE2023] Submission ID 750

2 messages

EDUNINE2023 <edunine@copec.eu>

20 September 2022 at 04:35

Reply-To: edunine@copec.eu

To: irwan@umsida.ac.id, mr.maika@umsida.ac.id, mitra@ijabqabul.id, setyawanarik@gmail.com, me@jagad.dev, eduninenoti@copec.eu

Thank you for your submission to EDUNINE2023. Below is a copy of the information submitted for your records.

Submission ID: 750

Consent: I consent to the collection and use of my personal information, including receiving emails, consistent with the Privacy Policy linked above. I have also obtained the consent of all other individuals whose information I provide.

Title: Microservice Based Architecture: The Development of Rapid Prototyping Supportive Tools for Project Based Learning

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Topic(s):

- ETC Innov. Learning Spaces (ILS): Technology blended learning

- ETC Innov. Learning Spaces (ILS): Infrastructure & educational technologies/ICT applications/open educational resources/ courseware

Keywords: microservice, rapid prototyping, supportive tool, project based learning

Abstract: This paper presents the migration of rapid prototyping supportive tools systems from monolith into microservice architecture that will be used as the implementation of Project Based Learning. As in early development, the developed supportive tool was the monolith architecture and web based platform. As the growth of the students as users and addition of the rapid prototyping framework modules that will be used, the monolith architectures are urged to decompose its' services into a more modular way of web services. As a result, the newest version will take advantage of a number of benefits offered by microservice-based architecture, including modularity, scalability and maintainability. The future features that are needed as the implementation of the learning based systems will be more easy to integrate as the beneficial of the microservices-based architectures.

Comments:

To: agoes.sidoarjo@gmail.com

Fyi

[Quoted text hidden]

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Irwan A. Kautsar, Ph.D

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[EDUNINE2023] Your submission 750 has been accepted!

1 message

EDUNINE2023 <edunine@copec.eu>
Reply-To: edunine@copec.eu
To: irwan@umsida.ac.id

28 October 2022 at 07:41

Dear author Irwan Alnarus Kautsar,

On behalf of the VII IEEE World Engineering Education Conference, I am pleased to inform you that your submission, titled (750) Microservice Based Architecture: The Development of Rapid Prototyping Supportive Tools for Project Based Learning has been accepted.

Congratulations!

We have included the reviewers' feedback and notification of acceptance at the end of this message.

In the next few days, we will post on our "Final Paper Preparation Guidelines and Submission" web page in the author section of the EDUNINE2023 website (<https://edunine.eu/edunine2023/>) the steps with the editorial rules and software for obtaining IEEE Xplore-compatible PDFs of your final paper. We are waiting for instructions from the editorial board.

We ask authors to carefully follow all steps and editorial rules enforced during the Technical Committee review of the final paper to meet these requirements. These editorial rules include that this is the right time to improve your paper and take into account the reviewers' recommendations, correct and edit the English language, correct the formatting styles required in the template and convert the PDF file of the final paper as required before submitting it to OpenConf.

These steps are mandatory. Failure to comply with these editorial requirements may result in your final paper being rejected for publication by the IEEEExplore Editorial Board

Sincerely

Program Committee, EDUNINE2023
edunine@edunine.eu

AUTHOR COMMENTS: In this paper, the authors seemed to present the experience and result of the migration of rapid prototyping supportive tools systems from a monolith into microservice architecture that will be used for Project Based Learning (PBL).

The migration approach is motivated well and seems to be reasonable.

However, since the paper is poorly written, its technical and pedagogical contributions are hard to understand. Most of the figures are hard to read. Particularly, sections 4 and 5 have to be extended to clarify outcomes and conclusions. Since the authors stated modularity, scalability, and maintainability as the benefits of the microservice-based tools, they should quantitatively clarify them in comparison with conventional monolith-based tools.

AUTHOR COMMENTS: The title of this study is "Microservice Based Architecture: The Development of Rapid Prototyping Supportive Tools for Project Based Learning". The performance from CES, FNF, BMC and PDC microservice load test was compared. Major revision is needed.

(1)On Page 1, please check the expression of the sentence "Several research are shown similar efforts on transitioning monolith to microservices architecture".

(2)On Page 4, please check the expression of the sentence "The produced component's monitoring data is continuously saved OMPDB".

AUTHOR COMMENTS: The paper presents the migration of monolith rapid prototyping support tool systems to a microservices architecture to be used as an implementation of project-based learning. The major drawback of the proposal is that it describes the implementation of the architecture as if it were a user manual, leaving aside the theoretical underpinning and how the architecture benefits project-based learning, the application of this in terms of the architecture presented, and a comparison with other types of architectures. In particular, it is not clear what the purpose of using a monolithic architecture for project-based learning is.

Paper formatting issues:

Format of the Paper: OK

Acceptance-note:

Conditionally accepted for major improvements: The migration approach is good and motivating but needs a lot of improvement for an educational conference. The IEEE EDUNINE conference: Guide to Scope and Quality Criteria - Scope in the Paper Preparation Guidelines states, "Papers that include discussions of the implementation of software and/or hardware should focus on the context of use and implications for learning and teaching. Computers only as a transmission platform are insufficient. Detailed information about the implementation architecture should be included NOT in the paper, but can be provided via URLs." The reviewers noted that the focus of your paper is on the discussion of the implementation of the tool rather than the results of its use for learning and teaching. The entire paper is devoted to explaining the tool and its implementation. It is a very promising tool, but it is a paper for a software conference. In order for our reviewers to evaluate the effectiveness of the tool in the context of teaching and learning, you need to include an evaluation of the use of the tool with students and teachers from that perspective, with enough cases for it to be statistically significant, and with different control groups. If this is the first experience, it could be an excellent work-in-progress paper that includes at least one usability test with faculty and students to validate the design and show that the results are meaningful. Improvements are mandatory. Take this opportunity to incorporate the reviewers' comments into your final paper and make other minor improvements. Please adhere to the formatting provided in the manuscript template. A member of the Technical Committee will review the paper to determine the extent to which the reviewers' comments have been addressed in the new version. Your revised final paper should be ready to be included in the conference proceedings, therefore, please do not anonymize it. Conditionally accepted papers should be improved and resubmitted as soon as possible after November 1, 2022 and before November 30, 2022 to take advantage of the opportunity to be reviewed multiple times for final acceptance. Only final submissions received by November 30, 2022 that need to be improved will be reviewed by January 31, 2023.