

Global Product & Technology Intern



Keerthi Manchukonda

Materials & Methods

The development was totally on Spring boot, which is an open source Java-based framework used to create micro Services. We made use of Rest API, which uses HTTP requests to GET, PUT, POST and DELETE data. For testing the RESTful APIs we made use of Postman. Everything is documented in confluence, which was really easy to find everything at one place. We had JIRA for tracking the progress.



Introduction

This is Keerthi, pursuing master's in information technology. I have interned with ADP, where I worked as backend developer for MyPI team where PI stands for Payroll Innovation. Main motto of our team was to find and develop innovative solutions for payroll systems depending on the client's requirement. We have a group of developers for both frontend and backend, along with testers, product owner, analysts. I worked on the generation of pdf service for the tax forms of Canada. We have a frontend, where users can enter their tax data, that data would be sent as JSON, which we read as backend developers and then generate the pdf with the respective data. This service was developed both federal and all the provinces of Canada. Also, it is more generic which supports all countries and states.

Results

Our final result is a generated pdf for the tax forms with the data entered by the user on the frontend.



Conclusions

It was a great learning experience, to work on a real time project. Our project has almost a million users, working on such kind of project was very over whelming. I have learnt lot of development and debugging skills. Everyday was a learning experience.



Literature cited

- Some of the links that helped me with my development were:
- <https://docs.spring.io/spring/docs/3.0.x/reference/expressions.html>

- <https://docs.spring.io/spring/docs/4.3.12.RELEASE/spring-framework-reference/htmlsingle/>
- <https://spring.io/learn>

Acknowledgments

- ADP,LLC for providing a great intern experience, with fun activities too. Specially for accepting a virtual internship.
- My entire team and my mentor, Ram.
- My manager, Chris, for creating a comfortable environment.

Further information

Overall, it's a great learning experience working on real time projects. Every day was new, where I got to research more and more.

