Intern development portfolio

[Kerry Gip]

# GENERAL INFORMATION

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| **NAME** | **Kerry Gip** |
| **ROLE** | **Software Development Engineer Intern** |
| **DEPARTMENT** | **Travelport Partner Solutions/ Content Deliver and Services** |
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| **MANAGER NAME** | **John Stocker** |
| **MANAGER ROLE** | **Director Software Development Engineering** |
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| **UNIVERSITY** | **University of Colorado Denver** |
| **DEGREE TITLE** | **Computer Science** |
| **UNIVERSITY CONTACT** | **303-315-2601** |

# USEFUL CONTACTS

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| **Intern Programme Panel**   |  | | --- | | Luke Ebsworth – luke.ebsworth@travelport.com  Hoeppner, Gemma [Gemma.Hoeppner@travelport.com](mailto:Gemma.Hoeppner@travelport.com)  Schenecker, Ariel – [ariel.schenecker@travelport.com](mailto:ariel.schenecker@travelport.com)  **[INSERT ANY USEFUL CONTACTS HERE]**  John Stocker  Saurabh Gupta  David o’Kelley  Michelle Daum  Scott Plummer  Farah Hagi | |

# ROLE AND RESPONSIBILITIES

**Within your first 2 weeks at Travelport find out what is expected of you and what your responsibilities are with your manager and team. Write these down below and make sure to ask any questions you have to help you fully understand what your role entails. We also want you to find out the ‘why’. Why does your role exist and why is your position in the organisation? Why will you be doing the things you’ll be doing, what difference does it make to the business? This will help you understand your role.**

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| Expectations:  30  60  90 day goals  Responsibilities:  Show up on time, ask questions, do as much work as I can, when I can.  Why does my role exist:  They created it for me =’)  They needed help and I am here to deliver  Why am I here:  I was born and I want to do good in life, lol but in reality, I want to contribute, provide innovation to the team with tools that we don’t currently use and give value to the company. I want to show that I can produce results.  How am I contributing:  My best |

# PERSONAL DEVELOPMENT LOG

# WORK LOG

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| **DATE** | **SESSION** | **WHAT DID YOU LEARN?** | **REFLECTIONS** |
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# DEVELOPMENT SESSION LOG

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| **DATE** | **TITLE** | **DESCRIPTION** | **REFLECTIONS** |
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# SKILLS LOG

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| **DATE** | **SKILL** | **ACTIVITY** | **REFLECTIONS** |
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# REFLECTIVE STATEMENT

Write a short statement, no longer than 500 words, reflecting on the last three months. Try to include where you feel you have improved, where you still need to focus your development, how you went about achieving your short-term goals etc.

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| Week1(9-7-21): Kickoff week, I was locked out of the system all week long LOL. I am in office Wednesdays and figured out what my projects will be with Saurabh and David. Attended PI Planning week.  Week2(9-13-31): Attended more PI plannings, started up on TTY data, I think I was finally good to go on Monday? With figuring out how to get back in the system. Read in some stuff, figured out that we needed to strip whitespace if we wanted to read in the file properly  Week3(9-20-21): Tried to get access into DB2 and had issues with that, met with David again about how to do the contract, wrote a draft on it. Increased hours 24hrs/week, TTY data works with if/else statements, not numpy.where(). Github migration work to finish up the week  Week4 (9-27-21): Still tried to get access to DB2, tried to work around the database connection using python, keep on getting to a deadend. Watched people try to move repositories over to github. I still can’t since I don’t have LDAP login. Met with Ben Weldeber for CoP guidelines. Been in meetings for TTY and finding new hiccups. Wrote up more on the contract and added the groupby. Aggregate function. Removed a lipoma from my back. Got a limp arm that can’t stretch all that much.  Week5 (10-4-21) Got CI- tools access, read a lot of documentation/watched videos on using the github migration tool. trying to still connect to DB2. Migrated github over. Added cadence, team structures, and finances on to ASA contract. Made sure I have the right drivers by getting lost and trying to understand what is going on,  Week6(10-11-21) – Flew back in from wedding, add graphs and tables to tty data  want sunmeet for github migration, look into adding the long term graph  for db2: check into the proxy , figure out why import ibm\_db isn’t working  and check odbc and how to import it from python. Turns out ibm\_db is fine, I’m just going down a rabbit hole of wtf is going on with all these drivers and how to fix it?? RIP  jdbc -what to do - java drivers from data studio.  odbc - what to do since it wont connect with ibm or pyodbc  Tuesday: pip installed so many different programs, so many different drivers, idk anymore  Wednesday at 2:30 pm, we connected to jdbc, but cant pull data. Had to connect to prod, not preprod to do so =’). Made some progress  Made a lucidchart for David  Present github migration on Thursday  Week7(10-18-21) - missed a whole month so had to go back and log everything. Don’t remember anything that happened this week. Started backfilling diary on 11/8  Week8(10-25-21) – Worked on TAhM’s dashboard with sunmeet, figured out that the reason why it is constantly refreshing was because of the authentication token. Uploaded the data into the actual source in the website and stepped through that way. Need some way to actually change up the header that the site runs through and fix the CORs stuff.  Waiting on Chandra to do the stuff with DB2A where it just updates the data on a monthly/daily roll up. She finished it towards the end of the week so back to TTY data I go  Week9(11-1-21) - worked on ASA contract, almost done, just need to make pretty the last few things, TTY data was presented to John, just need to make some extra filtering stuff  Finally migrated github large file storages with Michael Oubre’s help and got access with Datasec. Still no Jenkins, but Saurabh and Sunmeet did that part  Met with Abdoul for DS summer role  Week10(11-8-21) – demo TTY, end of PI 18  Added the extra filters on iport TTY, cleaned it up a lot, only showing iport, not everything possible  Met with David twice about the ASA ppt  Did presentations on Github Migration and tty data, start of PI 19, 6+ hour meetings  Week11(11-15\_21) – PI 19 kickoff  Might not use python since we now have access to qlik  Delta’s lawyers aren’t responding as urgently as we need to for ASA contract so that;s on backburner  Do not have SSL access into MQ listener, cannot pull to local, worked with sunmeet and he’s stuck  Recommended that I connect the 4 of us, Saurabh, sunmeet, bd and myself to troubleshoot it  Stuck on TAHMS dashboard with the refresher  I’ve hit a wall with all of my projects Q\_Q  What do I do???? – learn javascript I guess, comment the absolute crap out of the tahms dashboard  EMD plus github migration Thursday and Friday – jk came across a proxy/firewall setting Q\_Q  Week12(11-22-21) – Thanksgiving week  Limited hours since overdid it because of PI planning and holidays  Meet with BD and sunmeet for eclipse cloning error  Worked on vulnerabilities as soon as he got his eclipse working  Met up with Diksha and she gave me ideas on how to work on the dashboard  Working to get Qlik access  Week13(11-29-21)  Got Qlik access, worked on MQ listener, put up a cute list for Sunmeet  Made the qlik dashboard and sent the update to john, waiting on updates, but dependent on recharge  Got assigned mq vulnerabilities medium so am working through that.  Week14(12-6-21)  Worked on getting requirements that John sent for TTY Qlik Table(adding “other” and sorting in descending order)  Presented end of 19.2 iteration demo  Worked through most of the vulnerabilities and trying to get esapi file to work, but upgrading that .jar file breaks the code, so need a workaround. The rest of the vulnerabilities depends on esapi  Met with Sachin and Binbin to get setup for TFS github migration  Week15(12-13-21)  Actually went ahead with the steps to setup migration , trying to get TFS access  Looked more into Esapi .jar errors and trying to understand this AntiSamy  Sunmeet figured out the log4j global security threat and figured that out  Week16(12-20-21)  Worked on TTY and wondering if there’s a way that we can connect all the destination addresses to RSD code since it’s a given that that will always show if it’s SITA/ARINC but then it still goes back into, if it’s not on the excel sheet, then it wont be updated, so do we have to always manually edit the excel sheet if we want the accurate routing addresses? Some of the current ones are lost to “other” because they aren’t labelled in the sheet  Updated one .jar file – groovy all and gmaven plugin  Excluded commons-io and commons-fileupload, deleted a whole goovy-mojo, knocked out all of the critical and most of the high vulnerabilities. I feel so happy. We were so productive  Added new addresses to excel sheet  Week17(12-27-21)  Travelport holiday week! The nicest thing a company has ever done for their employees.  Week18(1-3-22)  Found out that what I did to pandas where I was searching for the names in the excel sheet was wrong. I needed to find new addresses not in excel based on RSD code SO turns out we have 2327 addresses used in prod that is not in preprod =’). Also added about 30 new addresses that was just in data studio. We have about 3 million tty characters not listed accounted for in our data. Trying to figure out how to add ARINC’s data with it being a half month rolling cycle and SITA’s monthly cycle.  Week 19(1-10-22)  Oh man, I missed this week, what did I do? I know I did TTY stuff and was stuck a few times on it. Sunmeet was sick so I didn’t do any TAHMS stuff  Week20(1-17-22)  Start school again! Hella drama because of the email that the dept sent out and needing to drop because students “over enroll” So many students waitlisted and so many complaints. I talked to my advisor and things got settled. Did a system demo on TTY and it should go out to production  And Now I actually don’t know what I should be doing. I thought I was going to be in office but because of the demo, I wasn’t sure if I was going to be able to go through the doors  Week21(1-24-22)  6 month reunion with Farha  Working on getting the 7, 10, 15 day summary on tty  Found out that tahms on jira has issues but updated one package pretty easily, so now I gotta work on that refreshing thing  Qlik guys cancelled on us again twice this week so rescheduled for tty to production for next week  Farha also needed to be rescheduled. My whole life needs to be rescheduled dude  Week 22 (1-31-22)  PI planning week again  Except in in school for the entire day M/W so I haven’t really attended any and Tuesday was new years so I was out the whole time.  There’s so much shit to catch up on. Holy fuck  Trying to cram an entire requirements in like 20 minutes before the prod talk  Ok end of week is fine lol, just doing some TAHMS dashboarding  Week 23 (2-7-21)  Lots of work scheduled and needed to be done  Figure out tahms refreshing  Set up plans with Karthik for tty report  Week 24(2-14-21)  Figured out dollar amounts for TTY  It went up to production  PI EOI presentation  Week25(2-22-21)  Monday was presidents day  Idk what to do rn, I sent the email out to Karthik about by the report is different than the bill. So I’m waiting on this. TAHMS was remediated so that’s been fixed.  Week26(2-28-22)  Idfk I’m pretty overwhelmed LOL Like started tearing up and was laughing for a good 3 hours this morning. I turned in all my assignments last night so idk why I’m so stressed and depressed and ready to regress  Ok so I think it was just because Saurabh sent me a whole list of things that I should’ve gotten done but haven’t on top of odyssey being on top of it and planning/scheduling everything for all of our projects and being behind on all of my classes just really threw me off  It’s 3/3 now so I’m ok. I think needing to eat regularly helps too.  Knocked out all of the mongo updates on all the TAHMS and now back to TTY  Knocked out all the requirements in his email for TTY  Make the similar display for total character count in top right corner like SITA/ARINC  comparing last 7 10 15 days , daily sita doesnt have tick on it , move travelpoirt logo to right and left align rearrange the tabs , have a line separating the tabs - last priority , make the quadrants similar  Can you check production reports to verify if we receive all the following message types today – if they show up on the report, we can assume that those message types are being logged (unless there are teletype address restrictions).  API, ETL, IFM, LDM, PRL, PFS, PSM, SOM, PTM, TPM,PIM,PIL, IDM, AGM, FTL, CPM, DUV, EZF, FMM, GID, SLS, TPL, UCM   1. The tabs don’t work correctly on all pages – Be on ‘Daily SITA’ page and you cannot go to ‘Daily ARINC’ from there.    1. Done 2. The tabs are not at consistent place across pages.    1. Done 3. Why would we see ‘Others’ on Daily SITA or Daily ARINC page?  The whole idea of making separate SITA and ARINC is filtering data just for them.    1. This is mostly for my reference. I took it out 4. Have you updated the dev/prod with latest mapping spreadsheet and is used in Qlik report?    1. I do not have the ability to update the files in Dev. The Data manager tab to do that is not available 5. Traveport logo is not consistent across pages.  Need better designing of these pages.    1. Logos are consistent but Monthly is a WIP in design 6. The monthly bill $ amounts are not consistent in font size – at least SITA & ARINC should be same.    1. Done 7. Have you updated the blended rate?  If so, you have to move the story 283 along.    1. Moved it over to “In Acceptance” 8. We spoke about story 599 – this needs to groom & should have specific acceptance criteria to know what we are trying to achieve.    1. I knew I was forgetting something lol   Golden TTY copy  3/7/22  Ok so I kinda forgot about this for a hot minute. So its Thursday now. Monday I just kind of did nothing lol. We went over time last Friday so I took it out on Mondays hours. Tuesday I went into work, thinking that the Denver site leadership meeting was in person. Turns out I thought site leadership was “onsite”. Figured out why we had discrepancies in the numbers. Turns out db2p is fine, whatever we are pulling in is fine, I just omitted the “nulls” values and didn’t realize that it would’ve been fixed if I just unchecked the box. I can’t figure out what those are until For some reason, on the kpi, qlik will read match = “ARINC” as ARINC + null values?? So if you use the <{}> format, it will force it to be only this, which is dumb lol. So now that all that’s matched up  Trying to read into the arinc contract now to figure out how to add the discounts to it.   * Need to probably talk to paula about it tomorrow if she knows which ones are which   3/14/22  Tuesday – Met with John for open blend, he gave me ok for DS, tried to let Georgia know but shes out of town, worked on TTY, found a list of addresses that weren’t in the qlik report but was on the detailed invoice. I had paula send me the list since for some reason, I couldn’t copy paste it over  Thursday – End of iteration, made sure that missing addresses were correct, found the addresses without routing address and put them both in excel sheet for Karthik. Going through notes and txt files and cleaning up a bit – Pushed all of the non prod TAHMS code changes through Jenkins  Friday – Karthik sent updated RSDs and now I’ll be adding that to Qlik  3/21/22  Out for spring break/not really spring break since I had all this bs to study for and to do before I decide to off myself  3/28/22  Monday – go over emails, try to set up time with Georgia, start change order, Saurabh is out until Wednesday so catch up and let him know what ive done  Tuesday – just half day. Did trainings  Wednesday – off  Thursday – EOI, made sure github was good to go, went through security scans and made sure we’re up to date there, found new addresses without RSDs in them  Friday – catchup with Saurabh and do all the things he’s asked me. Updated MessageServices and UserConfig with the two dependencies that I could work on and pushed them to github/updated nexus, Tahms Dashboard has a bunch that I need to run through too  4/4/22  Monday - PI Planning kickoff , worked on some security issues.  Tuesday – more PI meetings, worked on security issues, got stuck  Wednesday – off  Thursday – fixed security issues, sent it over to sunmeet, he’s like oh no don’t go forward, lemme review tomorrow. Karthik showed me the PNR scans, TPS system, the old school assembly but stupid fast system and gave me some security fix on his EDITFACT or something vs tty code in dotnet  Friday – downloaded fortify and tried to work through the errors on it  4/11/22  Monday – security kickoff, made an excel list of remediations  Tuesday – turned in message service and user config – wait on review  Wednesday – need lots of rework  Thursday – reworked them and submitted all the files, userconfig, burst and mongo topologies  Friday – waited on review. User config is good to go  4/18/22  Monday – Not much, sent email for Jenkins access  Tuesday – Got Jenkins in the morning, started doing Jenkins work on it all and reviewed processes  Wednesday – Started running scans  Thursday – need bigdata access to deploy to non prod. Deployed rollup to nonprod, but for the topologies, need big data.  Friday – Worked on TFS github, only migrated one, the rest were branch-y so that’s a question for bibin and Michael oubre to work on. Still waiting on big data, asked Mark on letting him know that it’s a current blocker  4/25/22  I forgot to update lol  But according to the calendar, I met up with Bibin to figure out how to migrate different branches from tfs  Set up a change order for TAHMS nexus security vulnerabilities  Met with the TFS team on Friday and migrated the rest, still had AGY issues  5/2/22  Met with bibin again and figured out how to migrate AGY, waiting on Venkat and grig to figure out if the way that I migrated it was good to go. They wont look at it until Friday  Tuesday: Was told to help sunmeet with the fortify scans  Thursday: Production deployment  Friday : cors  5/9/22  Monday : made sure github was good to go, grig and Venkat approve of the changes  Tuesday : cors access  Wednesday – got that figured out  Thursday – worked on fortify - http  Friday : off – DS final  5/16/22  Monday – more fortify research  Tuesday – met with sunmeet to figure out how to set up postman for http properly and got that running, showed him what I ended up doing and it was wrong  Wednesday – met with the DS team, Abdoul and Srikanth flew in, headbanged some more on http fixes, got really mad at it, for some reason, the github migration tool isn’t working  Thursday – banged head some more and it took an hour and a half with sunmeet to get it done  Friday – done with hours, last day with johns team  5/23/22  Monday – intern orientation  Noticeable improvement: Reading code, writing code, understanding how drivers work and making sure they are up to date, reading documentation  Getting really comfortable presenting my stuff and doing standups , researching  Areas of improvement: Get better at reading/writing code, slowing down, knowing exactly what im doing and what it all connects |