Intern development portfolio

[Kerry Gip]

# PORTFOLIO GUIDELINES/TIMELINES

* Your first Portfolio submission window is the week commencing the XXX. The deadline is XXX
* Your second Portfolio submission window is the week commencing the XXX. Your deadline is XXX
* Your final Portfolio submission window is the week commencing 5th July 2021. Your deadline is Friday 9th July 2021.
* If you are struggling with your Portfolio, use your support network. Your managers, mentors & the panel will be able to provide guidance.

# GENERAL INFORMATION

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| **NAME** | **Kerry Gip** |
| **ROLE** | **Enterprise Architect Intern** |
| **DEPARTMENT** | **Content Delivery and Services** |
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| **MANAGER NAME** | **Michelle Daum** |
| **MANAGER ROLE** | **Architect Director** |
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| **MENTOR NAME** | **Ali Richardson** |
| **MENTOR ROLE** | **Head of Business People Partners** |
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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]** |

# 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:  SAFe  Code of Conduct  Project completed end of month, first week of July, present to BEER group or system demo to HCCD  Reference data – dependent on how far I get with GraphQL/Apollo  Responsibilities:  Make an Apollo Graph QL server  Merge or make a new GraphQL services over the REST services  Why does my role exist:  We make things better around here. We are in the Global Solutions Delivery, making sure that our products are good to go with high quality for the consumer. We focus on optimizing delivery. Architecture protects the enterprise.  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:  I am working on making a more efficient server using a relatively new technology, GraphQL. GraphQL was released back in 2015 as a faster and more efficient query language for our APIs. REST has been used throughout the company for decades and has a few concerns. The current architecture is convoluted and receives data from many different sources. This results in an expansion of architecture complexity that increases challenges in maintenance and cost of the platform as well as slowing down the response time. GraphQL solves these concerns by creating a federated data source which increase performance, simplify architecture and faster deployment. By doing this, we can show that it is a viable alternative and can show to leadership that we need more focus on R&D. |

# PERSONAL DEVELOPMENT LOG

# PERSONAL DEVELOPMENT PLAN

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| --- | --- | --- | --- | --- | --- |
| **LONG/SHORT TERM** | **SET BY...** | **GOAL(S)** | **HOW TO ACHIEVE THIS / KEY DELIVERABLES** | **PROGRESS (%)** | **WHAT I STILL NEED TO DO** |
| **Long Term** | **Panel** | Identify an improvement that can be made at Travelport and build a business case/provide rationale as to why it should be explored. Your business case should be built around a problem statement, a solution, and the impact the solution will have (on Travelport, specific teams, individuals)*.* | There was an issue with data project not being picked up for two PIs. There needs to be a bigger emphasis on data and doing it properly.   * Talk to someone on DS team. * Director of business intelligence * Andrew corke - UK * Get details on improvement. * Metrics/data/ costs * Will doing this improve revenue? Process? * Write up a business case. | 0 | Talk to people in the data science space and see what can be done. |
| **Manager** | 1. Grow your local and international Travelport network by arranging knowledge sessions with 5+ people 2. Develop Enterprise Architecture knowledge through proofs of concept and learning the different areas of the business in Content+ 3. Develop an understanding of the Enterprise Architecture Operating Model through engagement with Systems Architects and being part of the review process | 1. Networked with Farha Hagi, David O’Kelley, Matt Webb,   Andrew Corke(tbd), David’s homie – John Stocker, Tania Whitby(does OD models)   1. HCCD – GraphQL  * Learn the company structure from top down and left to right  1. Being a part of SID(Solution Intent Document)  * Understand technical debt and how to improve it/lessen it * Sit in on a conversation with a stakeholder – with Scott * Go over operating model * Understand ARG ✓ * Understand different architectural frameworks and Travelport’s Operating Model ~ | 20% | 1. Networked with Farha Hagi, David O’Kelley, Matt Webb, 2. HCCD – GraphQL 3. Being a part of SID |
| **Intern** | |  | | --- | | Be proficient and solid at GraphQL, have better coding practices | | Take the required trainings on them and make sure that my code is well documented | 70% | Get it up to production and present on it |
| **Short Term** | **Panel** | Prepare a PowerPoint document demonstrating research and understanding into three different Travelport products. Explain each product in reasonable detail and how it benefits our customers. Submit this along with your first portfolio submission. | Have 3 products and put it up on a PowerPoint slide | 100% | Done |
| **Manager** | Stay engaged as much as possible, attend meetings if it does not conflict with the project. Need to actively participate in communicating with the team | * Attend meetings. * Communicate * Ask Questions * Reach out to team. * Ask for help | 100% | Continue keeping up good work habits and communicate with my team as much as possible |
| **Intern** | Complete the merging of the database into GraphQL and setting up Apollo Server | Final .exe product | 100% | Learn GraphQL better, set up Apollo Server |

# WORK LOG

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| --- | --- | --- | --- |
| **DATE** | **TITLE** | **DESCRIPTION** | **REFLECTIONS** |
| 6-11-21 | GraphQL Essential Training | Completed on LinkedIn | It was easy to follow along and learn how to set up a GraphQL Client |
| 6-17-21 | -Learning Apollo  -ApolloDocs | - Halfway on LinkedIn  - Halfway on google. | - It was an older version, so a lot of the commands were outdated and depreciated, came across more errors trying to make it up to date  - More relevant, but less thorough |
| 6-21-21 | Apollo setup | Learned to set it up on PuTTy | Went at it in a completely different direction by putting it into the actual apollo website and not trying to set it up on the CHuD server |
| 6-28-21 | Figuring out how to set up a coordinate array in GraphQL | Lots of Googling | This is probably the most confusing part, next to trying to set it up on the apollo website. |
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# SKILLS LOG

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| **DATE** | **SKILL** | **ACTIVITY** | **REFLECTIONS** |
| 6-1-21 | Code of Business Conduct | Completed on Percipio | Standard safety and expectations of behaviour |
| 6-3-21 | SAFe | Completed on SAFe site | It is nice to know that there is an industry standard in how we should release product |
| 6-11-21 | GraphQL Essential Training | Applied it on the project that I was working on. | GraphQL was a lot easier to set up than expected. Issue now is figuring out the coordinates as an array |
| 6-17-21 | -Learning Apollo  -ApolloDocs | Applied it on the project that I was working on | Went so far in the errors that I needed to contact Apollo Support so set up my schema on its website LOL but turns out that we didn’t want to set up apollo on its website, we just want to replicated the federated part and set it up on mongo/azure |
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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: SAFe training- loads of information spam in the morning then team meet in the afternoon, which was also information spam and exposure to the projects that I will be helping on. A lot to take in but after the weekend, it was all good  Week2 – SAFe certification and Code of Conduct. Took the test on Thursday morning, then got to explore more into the requirements of the project and what were my expectations.  Week3 – Learning and setting up the foundation for the project. Looking into GraphQL and Apollo federation. Turned in GraphQL client. Learned how to use a terminal. Getting comfortable with VS Code. Learning JavaScript and npm installs.  Week4 – Setting up Apollo Federation Server. Jonathan Tesser from LinkedIn reached back out to me and mentioned that he knew a guy from Travelport and connected me with him. Learned to absolutely make sure that I am in the right path before I run a program. Learned that you can use # to comment inside of JavaScript.  Week5 –3-day long PI planning, still trying to work on the Apollo Server, got stuck, met with Scott later in the week, and hashed out errors. He gave me some things to do with his code and will be working on that. Met with other interns to talk about CSR since MaxFund does not have a volunteer coordinator, so we are going to meet up on Monday to figure out what sort of fundraising ideas we can come up with as well as waiting on a response back from Volunteers of Colorado to see if we can do some outdoor restoration event.  Week6 – Finished up the portfolio and the PowerPoint slides. Sent it to Michelle to proofread and she is going to work on what is my long-term goal. Worked on more CSR stuff. VOC requires a $2500 volunteer pledge so the interns just might never meet in person. Worked on more project stuff. Scott helped me finish up the bit that I was stuck on and now we have to move forward on pulling up hotels near the geolocation.  Week7- Short week, need to set up mongoose within the query on the project, maybe or maybe not need how to use geolocation. The boys met up and figured out our new fundraising place. Got intrepreneurship project.  Noticeable improvement: Reading code  Areas of improvement: Get better at coding.  How I went about my short-term goal: Asked Michelle, went on Travelport website |

# SECTION COMPLETION

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_07-02-2021\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Intern Signature: \_\_\_\_Kerry\_Gip\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Manager Signature: \_\_\_\_\_\_\_\_\_\_\_\_Michelle Daum\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Panel Signatures: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# **PERSONAL DEVELOPMENT LOG**

# PERSONAL DEVELOPMENT PLAN

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| --- | --- | --- | --- | --- | --- |
| **LONG/SHORT TERM** | **SET BY...** | **GOAL** | **HOW TO ACHIEVE THIS / KEY DELIVERABLES** | **PROGRESS (%)** | **WHAT I STILL NEED TO DO** |
| **Long Term** | **Panel** | Identify an improvement that can be made at Travelport and build a business case/provide rationale as to why it should be explored. Your business case should be built around a problem statement, a solution, and the impact the solution will have (on Travelport, specific teams, individuals)*.* | There was an issue with data project not being picked up for two PIs. There needs to be a bigger emphasis on data and doing it properly.   * Talk to someone on DS team. * Andrew Corke – UK * Satyan Iyer – UK * Kannan Balaji – Fl/GA * William Zimmerman - Finland * Get details on improvement. * Metrics/data/ costs? * Will doing this improve revenue? Process? * Write up a business case. | 100% | Talk to people in the data science space and see what can be done. ✓ Write up a business case ✓ |
| **Manager** | 1. Grow your local and international Travelport network by arranging knowledge sessions with 5+ people 2. Develop Enterprise Architecture knowledge through proofs of concept and learning the different areas of the business in Content+ 3. Develop an understanding of the Enterprise Architecture Operating Model through engagement with Systems Architects and being part of the review process | 1. Networked with Farha Hagi, David O’Kelley, Matt Webb,   Andrew Corke, Satyan Iyer, Kannan Balaji, William Zimmerman, Rob Johns, Tony Hird, David Foster, Abbie Carpenter ✓   1. HCCD – GraphQL  * Learn the company structure from top down and left to right ✓  1. Being a part of SID (Solution Intent Document)  * Understand technical debt and how to improve it/lessen it ✓ * Sit in on a conversation with a stakeholder – with Scott * Go over operating model ✓ * Understand ARG ✓ * Understand different architectural frameworks and Travelport’s Operating Model (TOGAF WIP) ✓ | 90% | 1. Sit in on a convo with a stakeholder |
| **Intern** | |  | | --- | | Be proficient and solid at GraphQL, have better coding practices | | Take the required trainings on them and make sure that my code is well documented | 100% | Get it up to production and present on it |
| **Short Term** | **Panel** | Prepare a PowerPoint document demonstrating research and understanding into three different Travelport products. Explain each product in reasonable detail and how it benefits our customers. Submit this along with your first portfolio submission. | Have 3 products and put it up on a PowerPoint slide | 100% | Done |
| **Manager** | Stay engaged as much as possible, attend meetings if it does not conflict with the project. Need to actively participate in communicating with the team | * Attend meetings. * Communicate * Ask Questions * Reach out to team. * Ask for help | 100% | Continue keeping up good work habits and communicate with my team as much as possible |
| **Intern** | Complete the merging of the database into GraphQL and setting up Apollo Server | Final .exe product  Present to HCCD meeting | 100% | Learn GraphQL better, set up Apollo Server |

# WORK LOG

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| --- | --- | --- | --- |
| **DATE** | **TITLE** | **DESCRIPTION** | **REFLECTIONS** |
| 7-7-21 | $geonear | Working on getting locations of hotels close by | Just trying to figure out the syntax |
| 7-9-21 | More Geolocation | Take coordinates from query and use it to grab hotels | One of these days I’ll have the experience to do it in 2 hours vs 2 weeks |
| 7-20-21 | Clean Up | Cleaning up the code and organizing it so it looks nice | JavaScript syntax is rough |
| 7-26-21 | Business cases | Wrote into both the business cases, long term goal and the panel project | Paper writing is rough on the back |
| 8-2-21 | Started LucidChart and PowerPoint of GraphQL | Made UML diagrams and PowerPoint | Writing and having to describe the issue is a lot easier to understand what you’re doing and why you’re doing it. |

# SKILLS LOG

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| --- | --- | --- | --- |
| DATE | SKILL | ACTIVITY | REFLECTIONS |
| 7/12/21 | Enterprise Architecture Basics | Percipio | I am legit now |
| 7/12/21 | Exploring Blockchain | Percipio | Cuz crypto |
| 8-2-21 | LucidChart | LucidChart.com | Professional UML drawer now |
| 8-2-21 | Enterprise Architecture | Coursera | Started it, lets see how far I go before school starts |
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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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| Week7- Short week, need to set up mongoose within the query on the project, maybe or maybe not need how to use geolocation. The boys met up and figured out our new fundraising place. Got internpreneurship project.  Week8 – Need geolocation, went to Architecture Review Group meeting, and saw how they just report to each other what needs to be done and how far along their team has come what needs to be done with SID.  Microsoft forms page – needs to send email, calendar invite using MS Power Automate  Week9 – Worked on cleaning up the code, tried to do some things with Power Automate, was only able to stick it in the calendar, no invite no email. Started working on the long-term goal and set up a meeting with Kannan Balaji and Satyan Iyer. Met with the boys later and we were able to figure out how to send the invite and email, so we have progress there  Week10 – Wrote up the business docs for both the long-term goals project and interpreneurship problem. Review SIDS, networked some more  Week11 – Networked again and finalized up the long-term goal project, reviewed it for 3 hours with Farha  Started a UML diagram and Powerpoint presentation for Summer Long GraphQL project  Week12- Last week, finalized the presentation, did a mock review with Michael Townsie, presented to HCCD. Present the interpreneurship problem. Happy hour with the team.  Noticeable improvement: Reading code, big brain thinking  Areas of improvement: Reading code, big brain thinking  How I went about my internpreneurship project: Made a Teams chat with the boys, talked about what could be done and did it  How I went about the long-term goal: Met with data scientists/BI analysts weekly and asked them a bunch of questions |

# SECTION COMPLETION

Date: \_\_\_\_\_8-5-21\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Intern Signature: \_Kerry Gip\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Manager Signature: \_\_Michelle Daum\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Panel Signatures: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# **DEVELOPMENT SESSIONS AND OTHER ACTIVITIES**

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# DEVELOPMENT SESSION LOG

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| **DATE** | **SESSION** | **WHAT DID YOU LEARN?** | **REFLECTIONS** |
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CSR REFLECTIONS

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| DATE | CHALLENGE/SUCCESS | REFLECTIONS |
| 6-9-21 | First meeting | Brainstormed ideas on what to do |
| 6-17-21 | Had a couple of ideas on who to call/connect with | Making progress |
| 6-24-21 | Connected with maxfund, waiting on response back | More waiting games |
| 7-1-21 | Found out that VOC needs $2500 volunteer pledge | Well, that is unfortunate |
| 7-2-21 | Found out raffles are illegal in Colorado | What the actual \_\_\_\_ |
| 7-2-21 | Met again end of the day | Everything fun is illegal |
| 7-6-21 | Changed over to dumb friend league, setting up a GoFundMe | Making progress |
| 7-8-21 | Posted first yammer ad | Made $305 yeh yeh boiiii |
| 7-28-21 | Raised over 1500 | Yeet |
| 7-30-21 | Hit our goal of $2021 | Big win |

# UN GOALS REFLECTIONS

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| DATE | CHALLENGE/SUCCESS | REFLECTIONS |
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# INTERNPRENUERSHIP

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| DATE | PROJECT # | CHALLENGE/SUCCESS | REFLECTIONS |
| 7-8-21 | Got it assigned | \*thumbs up emoji\* | Nice |
| 7-14-21 | Discovered Power Automate | Trying to understand how it works. | Lots of videos, nothing too fancy |
| 7-16-21 | Made progress | Got .ics calendar invite to send. Not email | Need to troubleshoot |
| 7-21/ 7-22 | Got it working | With multiple calendar invites and emails sent out for date selected | That is dope |
| 7-27-21 | Demo’d | The panel seemed underwhelmed | We need to do better, get more features |
| 8-9-21 | Did the thing | Super Stoked | Kyle figured out a way to simplify the entire process and was able to get all of the features that the panel wanted |
| 8-10-21 | Finalized the powerpoint and business doc | Did a mock run and reviewed the powerpoint | We are so happy that we were able to figure it all out |
| 8-11-21 | Presented | It went really well | I’m so happy, Kyle is the real mvp on this project |
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# SECTION COMPLETION

Date: \_\_\_\_\_8-5-21\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Intern Signature: \_Kerry Gip\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Manager Signature: \_\_Michelle Daum\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Panel Signatures: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_