

# Software Development

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# Introduction

## Introduce myself

- Describe your current job at Subaru
  - Title is “Lead Programmer Analyst” on the B2C team
  - B2C (Business To Customer) team works with all applications that are customer facing (see below for list).
- What I do
  - Tech Lead: Lead projects and other developers(offshore and onshore contractors) on getting work done
  - Developer: write/test/deploy code
  - Operations: Support/troubleshoot our applications/infrastructure in all our environments (local, dev, qa, prod)
  - Database: Design and Support
- Talk about projects you work on
  - Systems we develop/build/support as a Team

Application	Links	Comments
MySubaru	<a href="http://www.mysubaru.com">www.mysubaru.com</a>	Used by customers who own Subaru cars to get customized info about their cars
MySubaru Mobile App (Android and IOS Phone)	See Mobile app store to download and use	Same info as mySubaru site but easier and faster to use on your phone
Subaru.com	<a href="http://www.subaru.com">www.subaru.com</a>	Landing page for all things Subaru
MySubaru remote services	See Mobile app store to download and use	Services to remotely control your Car. <ul style="list-style-type: none"><li>- Lock/unlock doors</li><li>- Turn on horns/lights</li><li>- Locate</li><li>- Remote start</li></ul>
In Car services	Interactive Car dashboard	Used by Car owner, inside car to perform various tasks (e.g. Schedule service with dealer)
Web Admin	<a href="http://webadmin.subaru.com">webadmin.subaru.com</a>	Internal portal app to support/configure/troubleshoot all our applications. Used by helpdesk and our team
Impact	<a href="http://impact.subaru.com">impact.subaru.com</a>	Internal application used by marketing to create/manage /collaborate/blog on all marketing campaigns

- People I work with in the company
  - See What [Roles and Interactions](#)
- Talk about your background
- Why you like technology
- Talk about how you became an IT professional,

For this Document and more see <https://webadmin.qa.subaru.com/hopeworks/index.html>

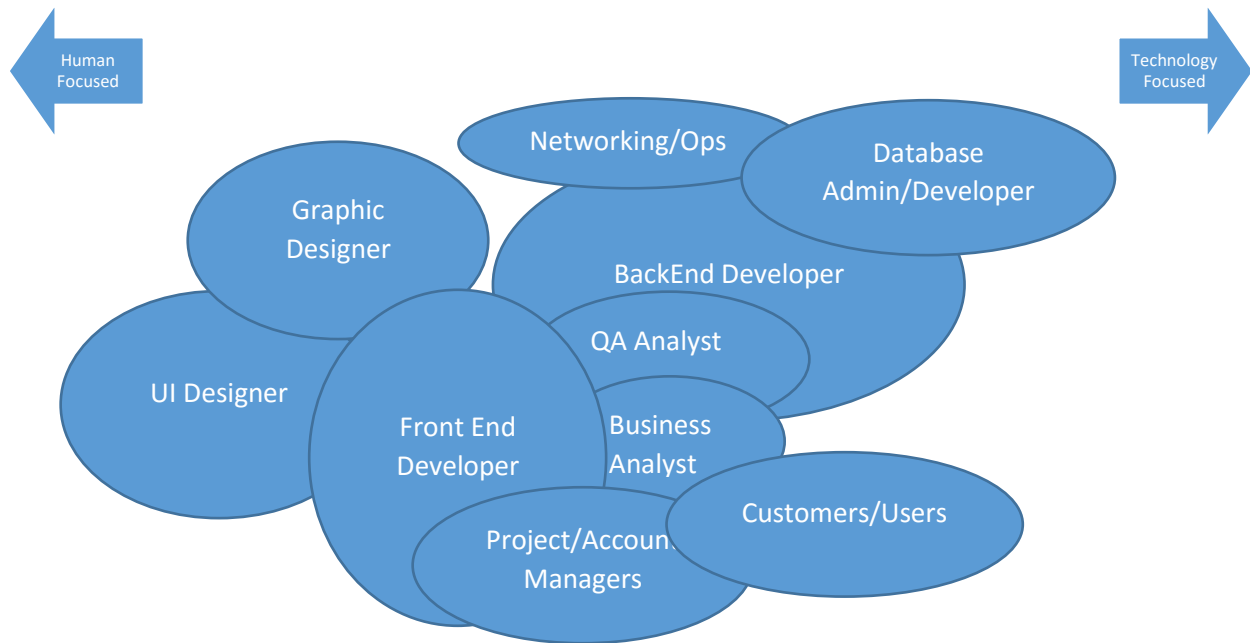
- Number of years in job, places you worked, what you did
- Questions ?

### Have class introduce themselves

- What's your name?
- What kind of careers you might be interested in and why? Or a better question if you had to do something 10 hours a day, 5 days a week what would it be ? and why !
- What do you see yourself doing in 4 years? 8 years ? if you don't know start making a plan
- How do these careers use technology ?
- What excites or scares you about technology ?

What would you like to get out of this 1 hour session? Presenter! take notes of the answers!

## Roles and Responsibilities



Role/Title	Responsibilities	Works With	B2C headcount	Example of things they work on
<b>Back End Developer</b>	Develops/Maintains the business logic	Front End Developer DBA/Database Developer Network Engineer/Ops	0	Develop a web service to return customers info based on customer id  Develop a web service to update customer info based on customer id
<b>Business Analyst</b>	communicates with business and defines, analyzes and documents requirements	Project/Account Manager Tech Lead Customers/Users Developers often ask about requirements Marketing	~3 +- 1	Gather Customer requirements for updating customer info. See what they want. Build a timeline for delivery
<b>Customers/Users</b>	Want to get something done with your application	Help Desk	Depends on application	Depends on application
<b>DBA/Database Developer</b>	Develops/Maintains/Supports the database(s)	Back End Developers Network Engineer/Ops	~3	We need a database and/or table to store customer info
<b>Front End Developer</b>	Develops the front end user interface	BA BackEnd Developers	3 onsite 2 offshore	Develop website, make it user friendly and easy to use. Fix

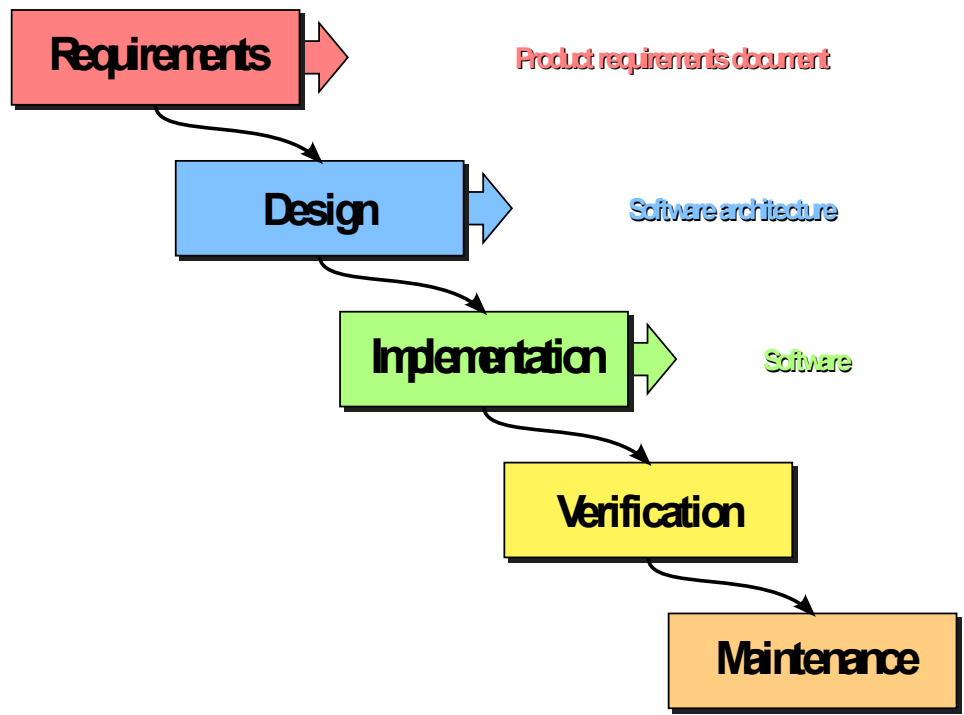
				any issues found by QA
<b>Full Stack Developer</b>	See Front End + Back End +Database Developer	See Front End + Back End +Database Developer	3 onsite 2 offshore	I need you to develop a website to get/set customer info. I need you to do all the development
<b>Network Engineer/ Operations</b>	Develops/Supports/Maintains networks	Tech Lead Project/Account Manager	1-2	We need a domain for the customer website, document network setup, monitor web site for security or performance issues ...
<b>Project/Account Manager</b>	manages the development team and prioritizes development tasks	BA Tech Lead QA Analyst	1	Customers are asking for a way to view/update their customer info. See what they want. Build a timeline for delivery
<b>QA Analyst</b>	Tests changes to your application based on requirements	Tech Lead All Developers Project/Account Manager	3 onsite 3 offshore	Ensure Quality of application before product is ready for public use. test all features to make sure they meet the BA requirements. Document test plan, defects ...
<b>Technical Lead</b>	Experienced full-stack developer that leads technical resources on the project and implements the development of the application	All Developers BA Project/Account Manager	3	Review all code changes to web site. research/assist/delegate any issues/defects found by QA, provide production support of web site when deployed(site is down, customer can't save/view his info) ...

# Lifecycle

[https://en.wikipedia.org/wiki/Systems\\_development\\_life\\_cycle](https://en.wikipedia.org/wiki/Systems_development_life_cycle)

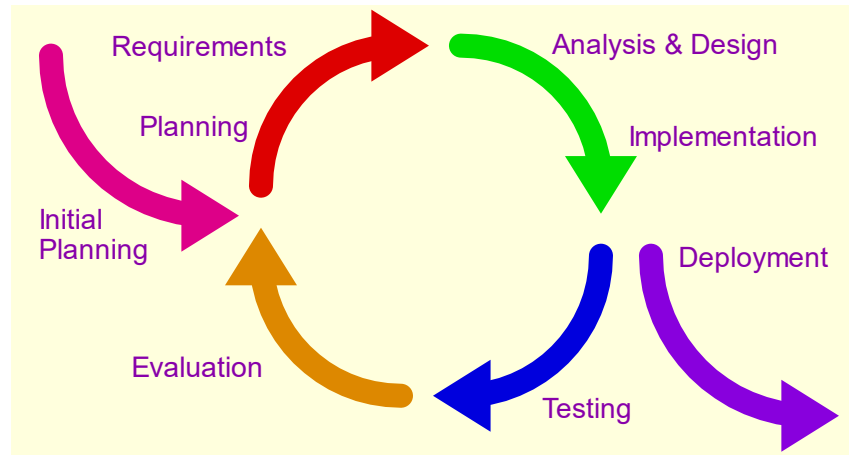
## WaterFall

[https://en.wikipedia.org/wiki/Waterfall\\_model](https://en.wikipedia.org/wiki/Waterfall_model)



Iterative/Incremental

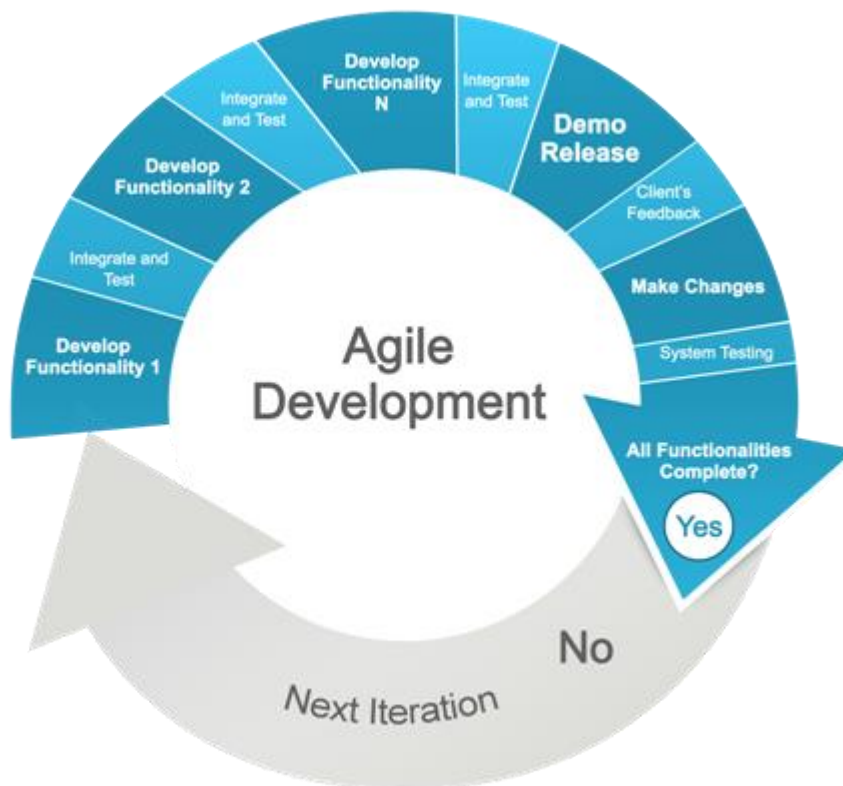
[https://en.wikipedia.org/wiki/Iterative\\_and\\_incremental\\_development](https://en.wikipedia.org/wiki/Iterative_and_incremental_development)



Agile

[https://en.wikipedia.org/wiki/Agile\\_software\\_development](https://en.wikipedia.org/wiki/Agile_software_development)

<http://www.ambyssoft.com/essays/agileLifecycle.html>



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