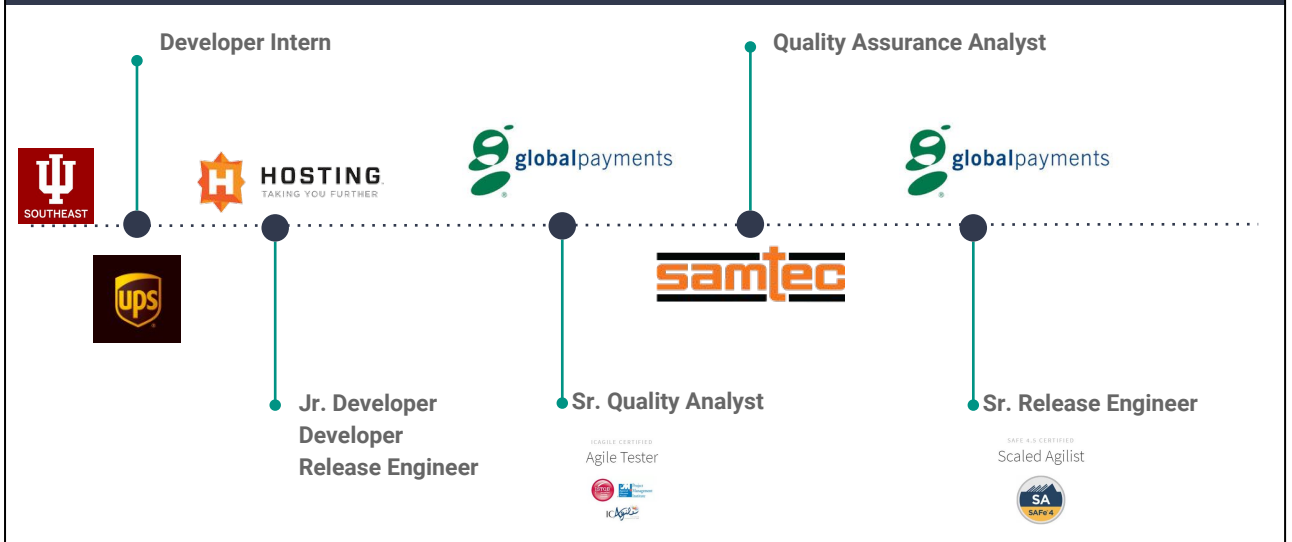


Kristina Roser

Senior Release Engineer



Employment History



UPS - #46 on Fortune 500 list. Top logistics provider.

Global Payments - #669 on Fortune 500 list. One of the top providers of payment processing solutions.

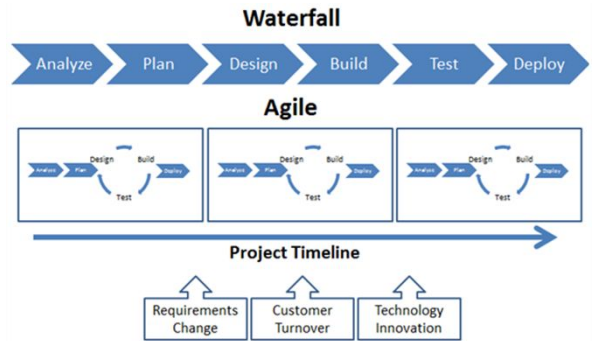
Samtec - Last year featured on an episode of Tanked. #1 on Bishop report top connector company in North America.

<https://www.sqetraining.com/training/course/agile-tester-certification>

<https://www.scaledagile.com/certification/courses/leading-safe/>

Techniques

Agile or Waterfall?



The technique used drastically changes how you are going to manage priority. It also greatly fluctuates how the team reacts to business changes.

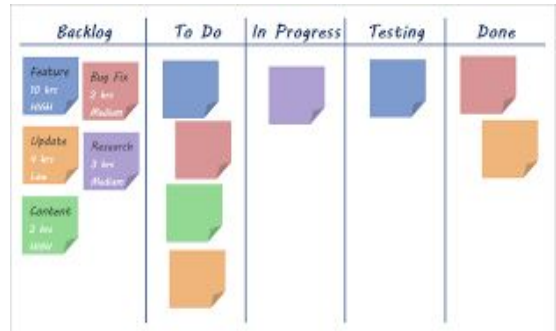
Waterfall - all items priority remains the same throughout the project. Things cannot change without affecting the timeline.

Agile - the priority shifts each day. Business can shift things around and timeline remains the same however what is delivered changes.

Project Increment, Sprint, Scrum, Kanban, Definition of Done

Write on the board: PLAN, DESIGN, BUILD, TEST, DEPLOY

Planning Process



Speak to Business

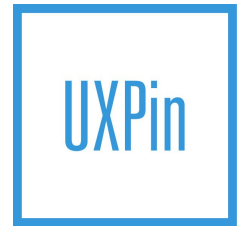
Gather Requirements

Templates

Form Features, Stories, MVP(Minimum Viable Product), Epics

Organize a requirements team (BA, QA, Architect, Design)

Design Process



What browsers do you support?

What devices do you support?

<https://www.invisionapp.com/>

<https://www.uxpin.com/>

Build Process



Branching - <https://www.atlassian.com/git/tutorials/comparing-workflows>

Repositories

Feature Toggles (Flags) - <https://martinfowler.com/articles/feature-toggles.html>

(Continuous Delivery)

<https://github.com/>

TeamCity

BuildMaster

Testing Process

- Unit
- Acceptance
- Security
- Load
- Regression
- Integration
- Performance



- Kanban Board (states)
- Details/Template
- Screen capturing
- TDD/BDD
- Automation/Manual

Testing should happen during the entire SDLC (Software Development Life Cycle)

<https://github.com/cucumber/cucumber/wiki/Gherkin>

Deployment Process

- DevOps

“is a software engineering culture and practice that aims at unifying software development (Dev) and software operation (Ops)”

Wikipedia



Feature Toggles (Flags) - <https://martinfowler.com/articles/feature-toggles.html>
(Continuous Delivery)

Continuous Deployment - is the next step after Continuous Delivery, no manual interference before code goes to production

- [Release Management](#)
- [BuildMaster](#)
- [Octopus](#)
- [Teamcity](#)
- Continuous Integration
- Continuous Delivery
- Continuous Deployment

Tools

- Project Management
 - [VSTS](#)
 - [Rally/Jira](#)
- Testing
 - [Test Manager](#)
 - [QTest](#)
 - [BrowserStack\(breach\)](#)
 - [Specflow/Cucumber](#)
 - [JMeter](#)
- Deployment
 - [Release Management](#)
 - [BuildMaster](#)
 - [Octopus](#)

Questions?

