



How to grow your IT career

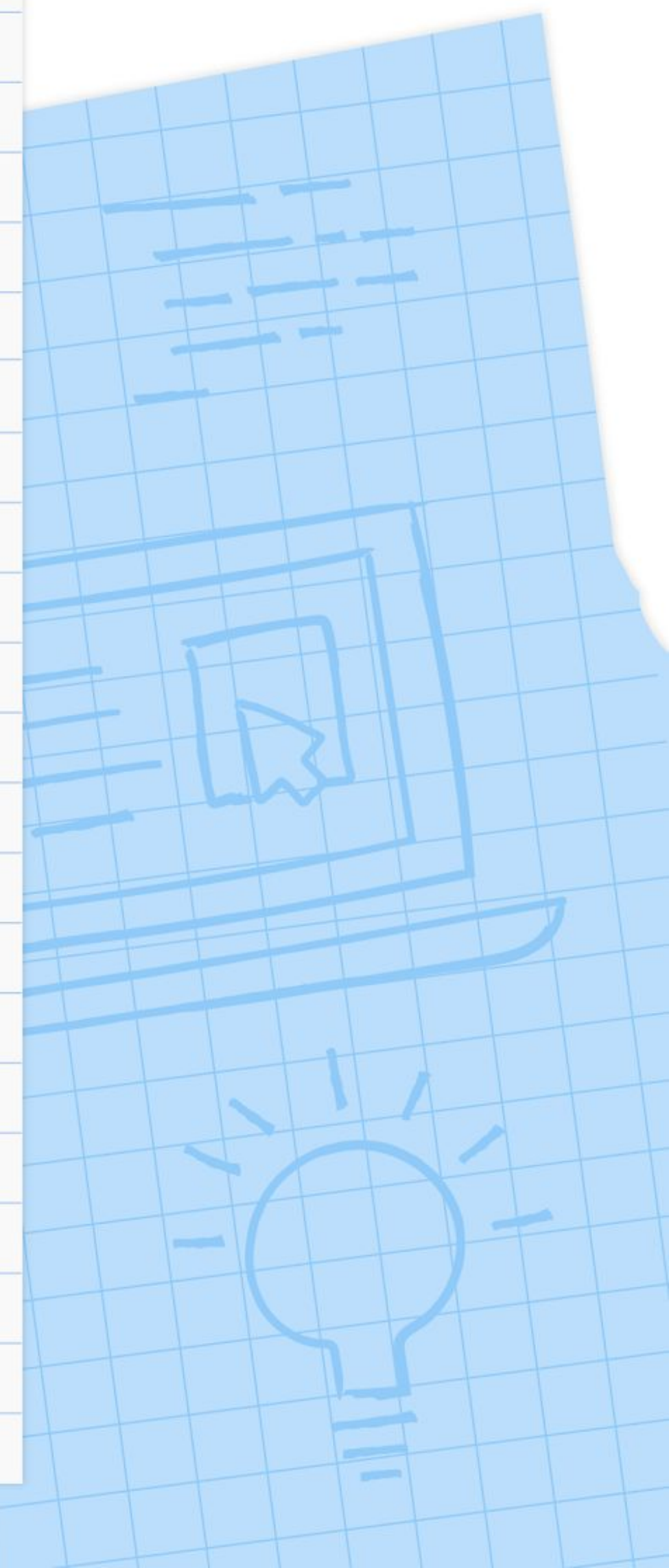
Gintautas Švedas
@ DSC Vilnius University

```
filterByOrg = filterByOrg ? study.lead_organization === filterByOrg : true  
filterByStatus = filterByStatus ? study.status === filterByStatus : true  
filterByMatchStatus = filterByMatchStatus ? study.matchStatus === filterByMatchStatus : true  
function filterStudies({ studies, filterByOrg, filterByStatus, filterByMatchStatus }) {  
  return studies.filter(study => filterByOrg & filterByStatus & filterByMatchStatus)  
}
```

Structure

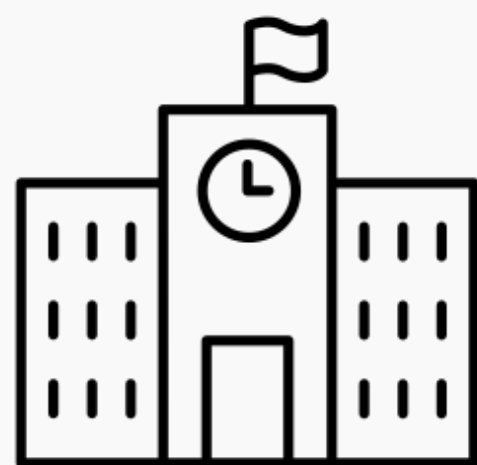
What to expect

1. Short story about me
2. How to kick-off your IT career. Tips & Tricks.
3. Lithuania vs World market
4. Questions

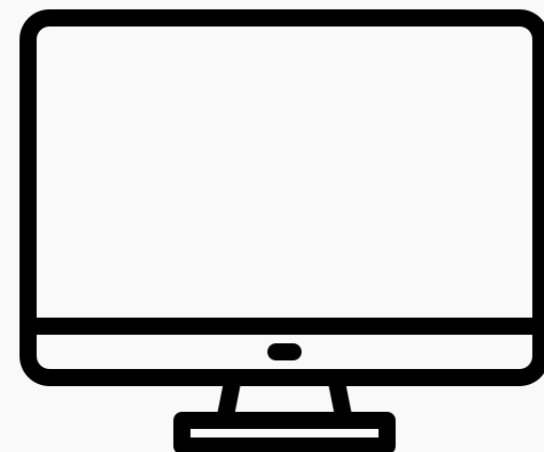


About me

Introduction



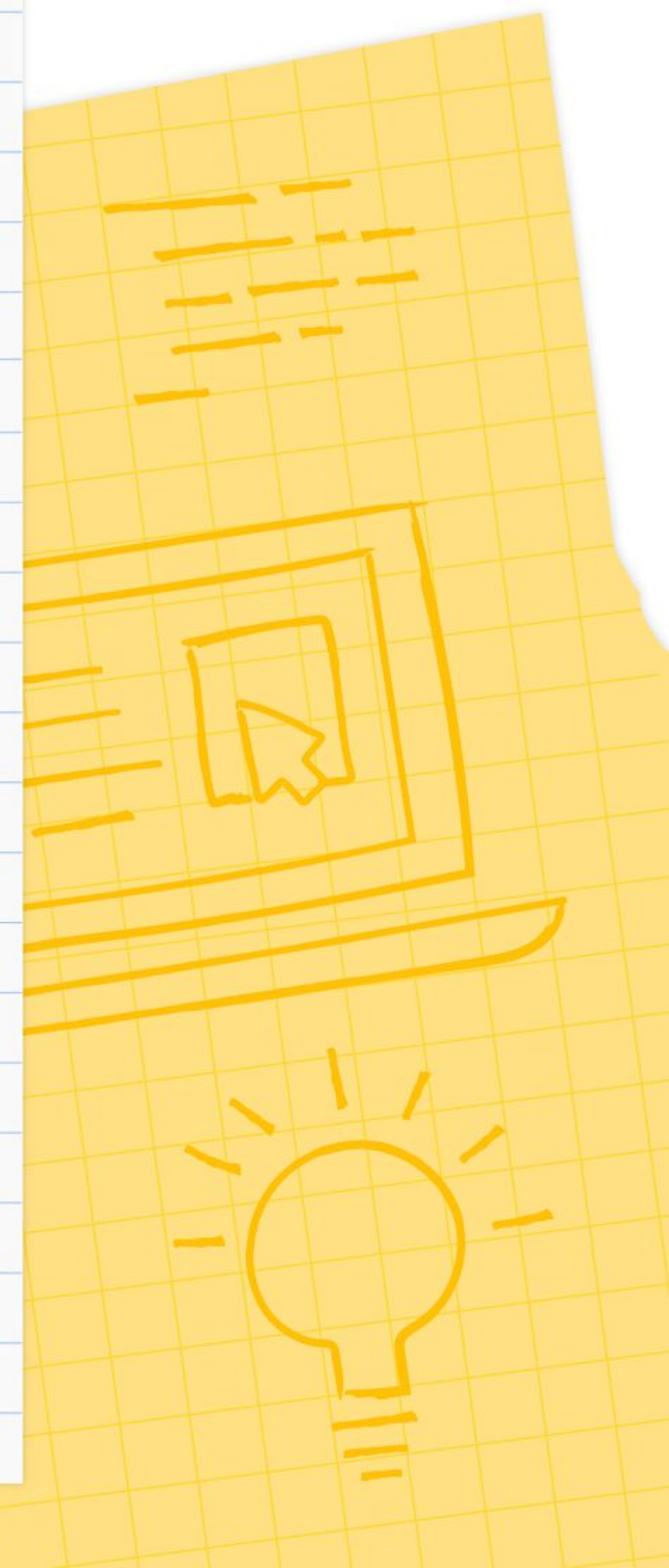
Early start



Different
Projects



Some work
experience



Companies

Vinted

 **VISMA**

Danske Bank

 **Nasdaq**

 **TELTONIKA**

macaw
Challenge accepted.

 TeleSoftas

 **tesonet**

 **unity**

baltic
 **amadeus**

KAYAK

SEB

 Google Developer Student Clubs

How to kick-off your IT career.

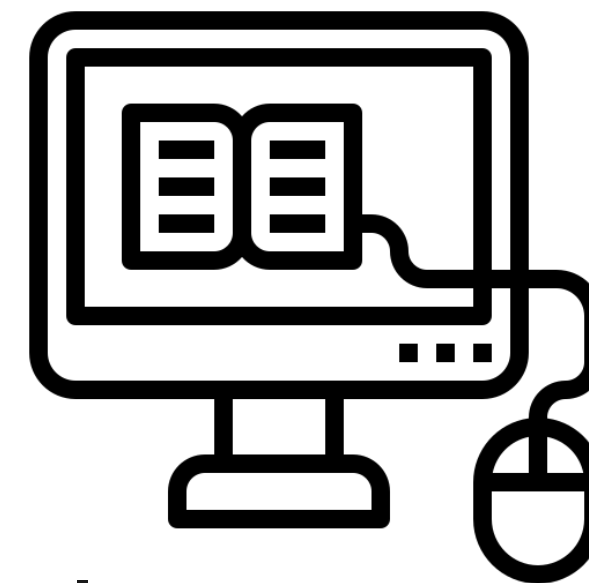
Tips & Tricks



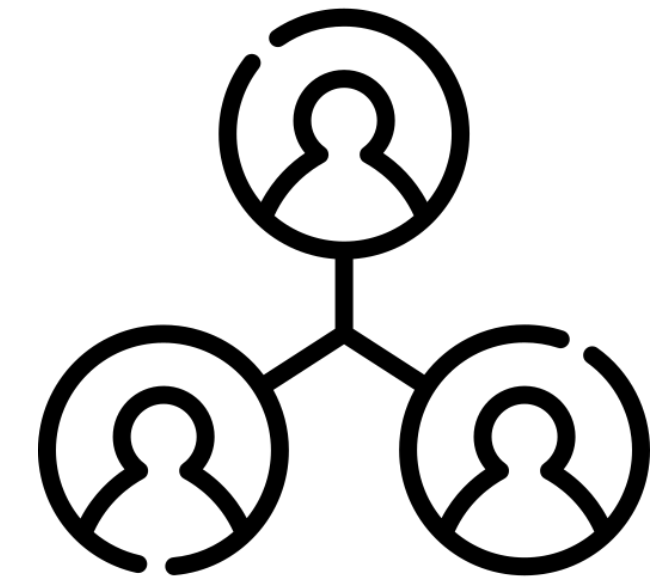
Open Source



Books



Online courses



Communities

Open source

Code that is made freely available

Pros:

- Select your favorite topic/language/framework.
- Engage with the contributors and maintainers.
- Grow your skill and network.

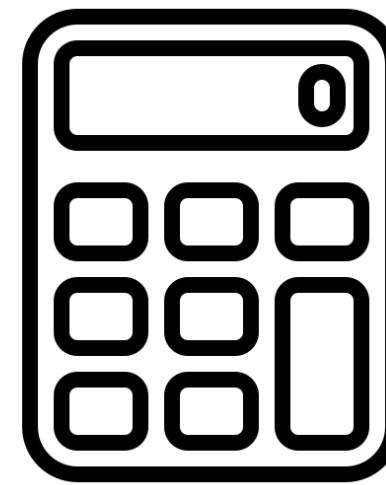
Cons:

- Time consuming.

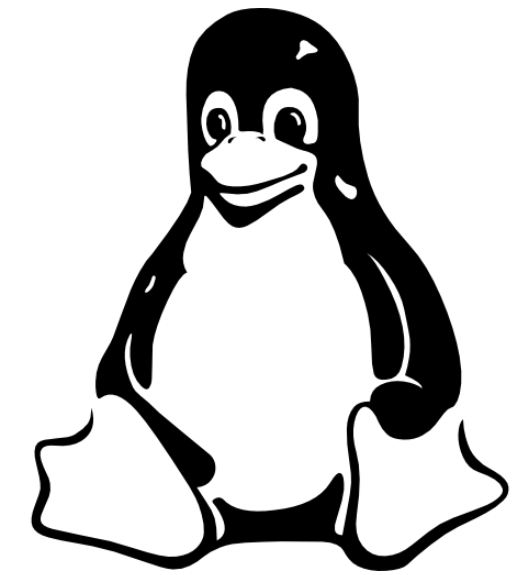
Examples



Git
Extensions



Windows
Calculator



Linux

Example of Git Extensions

The screenshot displays the GitHub repository page for `gitextensions / gitextensions`. The `Issues` tab is selected and circled in red. The repository is public and has 610 issues, 35 pull requests, and 26 discussions. A search filter is applied: `is:open is:issue label:up-for-grabs label:"nerd_face: good first issue"`. The list of issues shows several items with labels like `area: translation`, `good first issue`, `.NET migration`, and `up-for-grabs`, which are circled in red. The issues are sorted by default, and the page shows 36 open and 50 closed issues.

gitextensions / gitextensions Public

<> Code Issues 610 Pull requests 35 Discussions Actions Wiki Security Insights

Pinned issues

Intent to join .NET Foundation
#7668 opened on Jan 22, 2020 by RussKie
Open 6

Filters is:open is:issue label:up-for-grabs label:"nerd_face: good first issue" Labels 60 Milestones 3 New issue

Clear current search query, filters, and sorts

36 Open 50 Closed Author Label Projects Milestones Assignee Sort

Review and correct use of SmartFormat.NET	area: translation	good first issue	.NET migration	up-for-grabs	1
Improve working directory context menu	good first issue	up-for-grabs			2
Help for alternative merge-strategy is closed to fast	area: documentation	area: user experience	good first issue	up-for-grabs	1
Improve EnvironmentPathsProvider.IsValidPath API	good first issue	up-for-grabs			3
Format Patch Dialog: UX issues	area: user experience	good first issue	up-for-grabs		

Books

Learning from paper

Pros:

- Information is more detailed and quality oriented.
- You can revisit it more easily.
- Some good IT topics are only covered in books.

Cons:

- Time consuming, more time is needed than online courses.
- Not interactive.
- You need to find **a good** and **up-to-date** book.
- Sometimes **pricy**.

Worth reading

- Robert C. Martin - "Clean Code"
- Gayle Laakmann McDowell - "Cracking the Coding Interview"
- Andy Hunt, Dave Thomas - "The Pragmatic Programmer"
- Alex Xu - "System Design Interview - an Insider's Guide"
- Aditya Bhargava - "Grokking algorithms"

Online courses

Online is better than offline.

Pros:

- A lot of courses to choose from.
- Learn from biggest brands, such as Microsoft, Google and etc.
- Interactive. Quiz tests, actual projects to work on.
- Cheaper than books.

Cons:

- **Too many to choose from.**

Examples

 Categories

Development > Web Development > JavaScript

JavaScript Web Projects: 20 Projects to Build Your Portfolio

Modern HTML5, CSS3, and JavaScript to build Responsive and Mobile Friendly projects for your dream portfolio and resume!


4.8 ★★★★★ (2,141 ratings) 18,634 students

Created by [Andrei Neagoie](#), [Jacinto Wong](#)

🕒 Last updated 10/2021 🌐 English 🗣️ English [Auto]

What you'll learn

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350,591

people are learning on edX today

Communities

A social unit

Pros:

- Learning from others.
- Finding same-minded people.
- Growing your network.

Cons:

- Availability depends on geography/industry size.



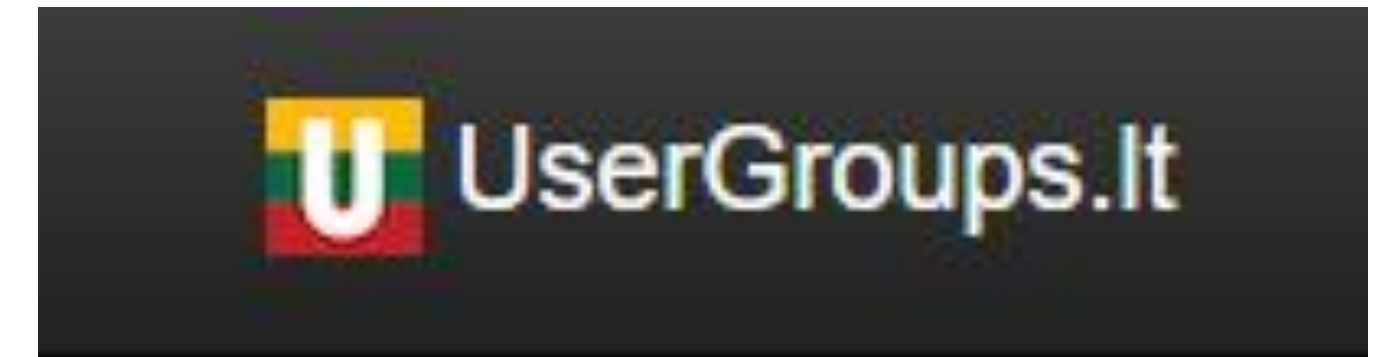
Examples



Meetup



Facebook



UserGroups.It

DSC Vilnius University

A club

Why:

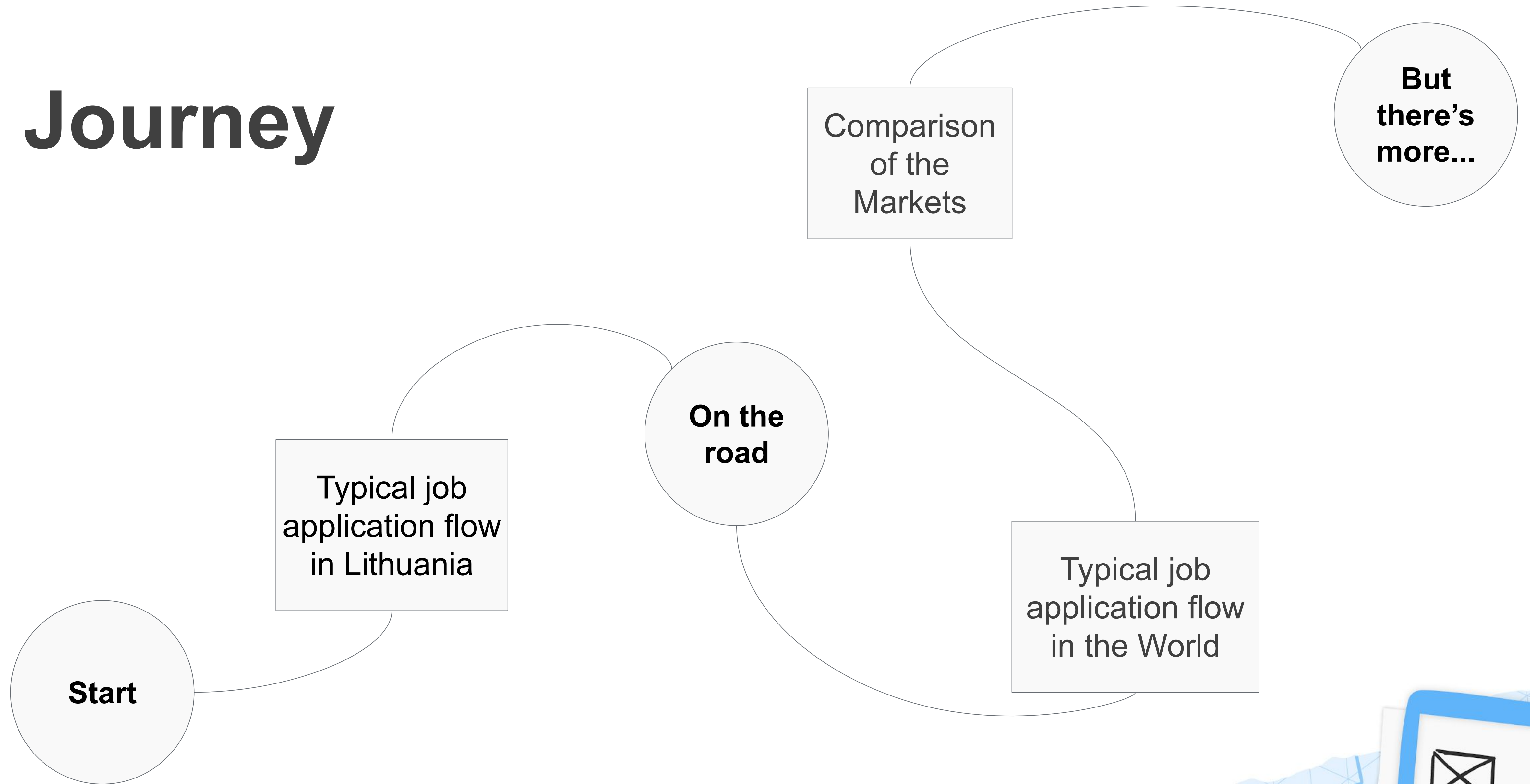
- Do events on topics that you like, want to share.
- Grow your network.
- Have a good time.
- Participate in a community.



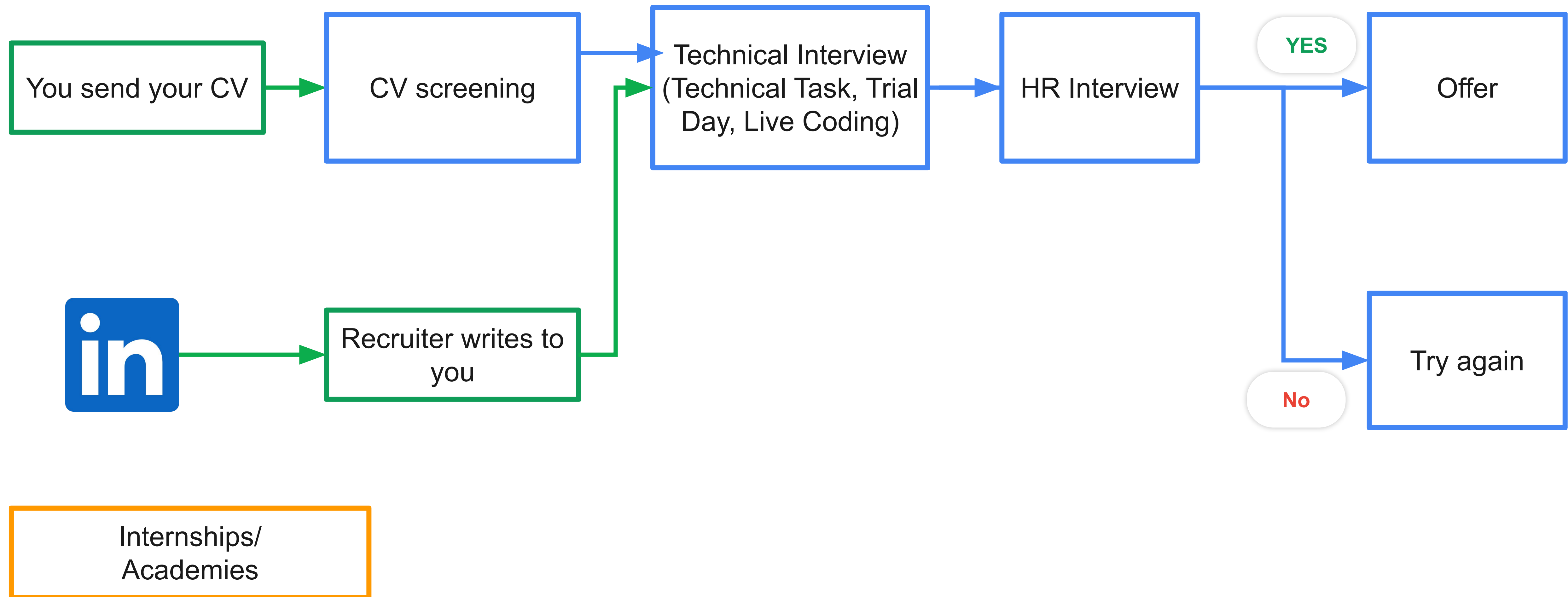
Lithuania vs World market



Journey

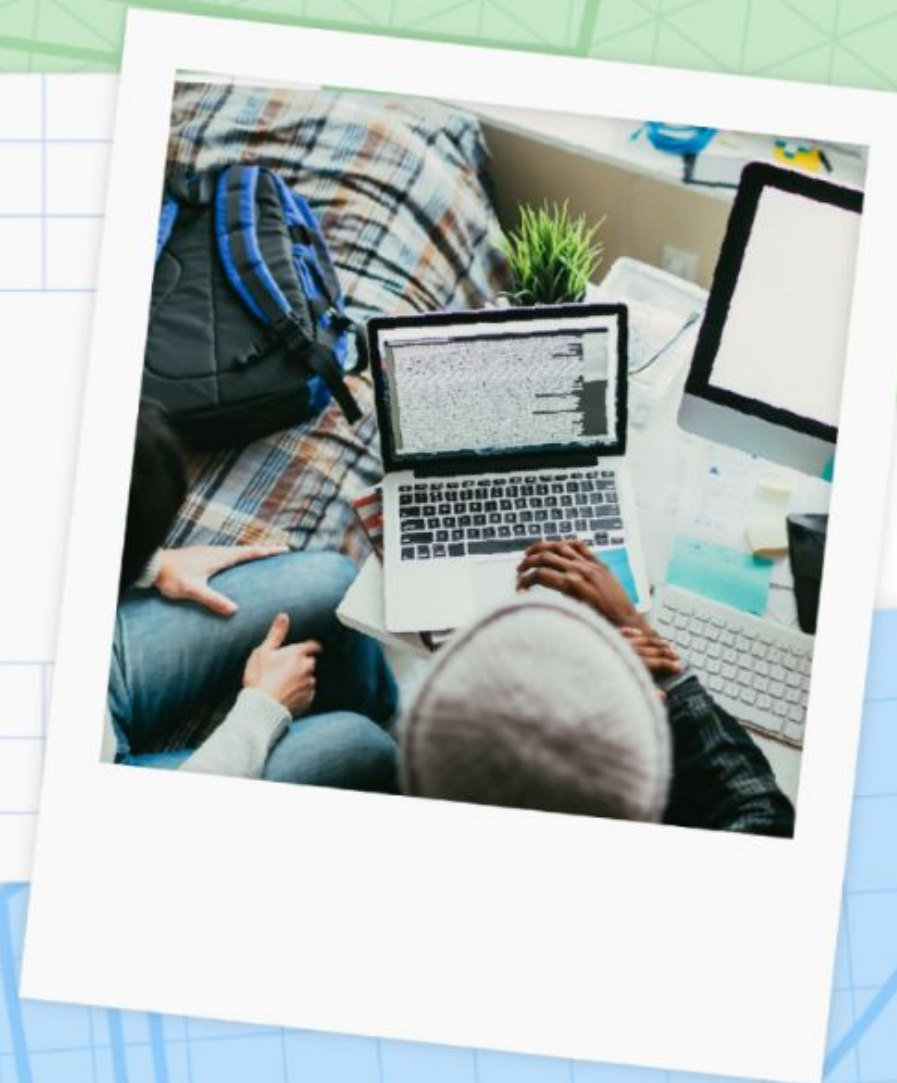


Start - Typical job application flow in Lithuania



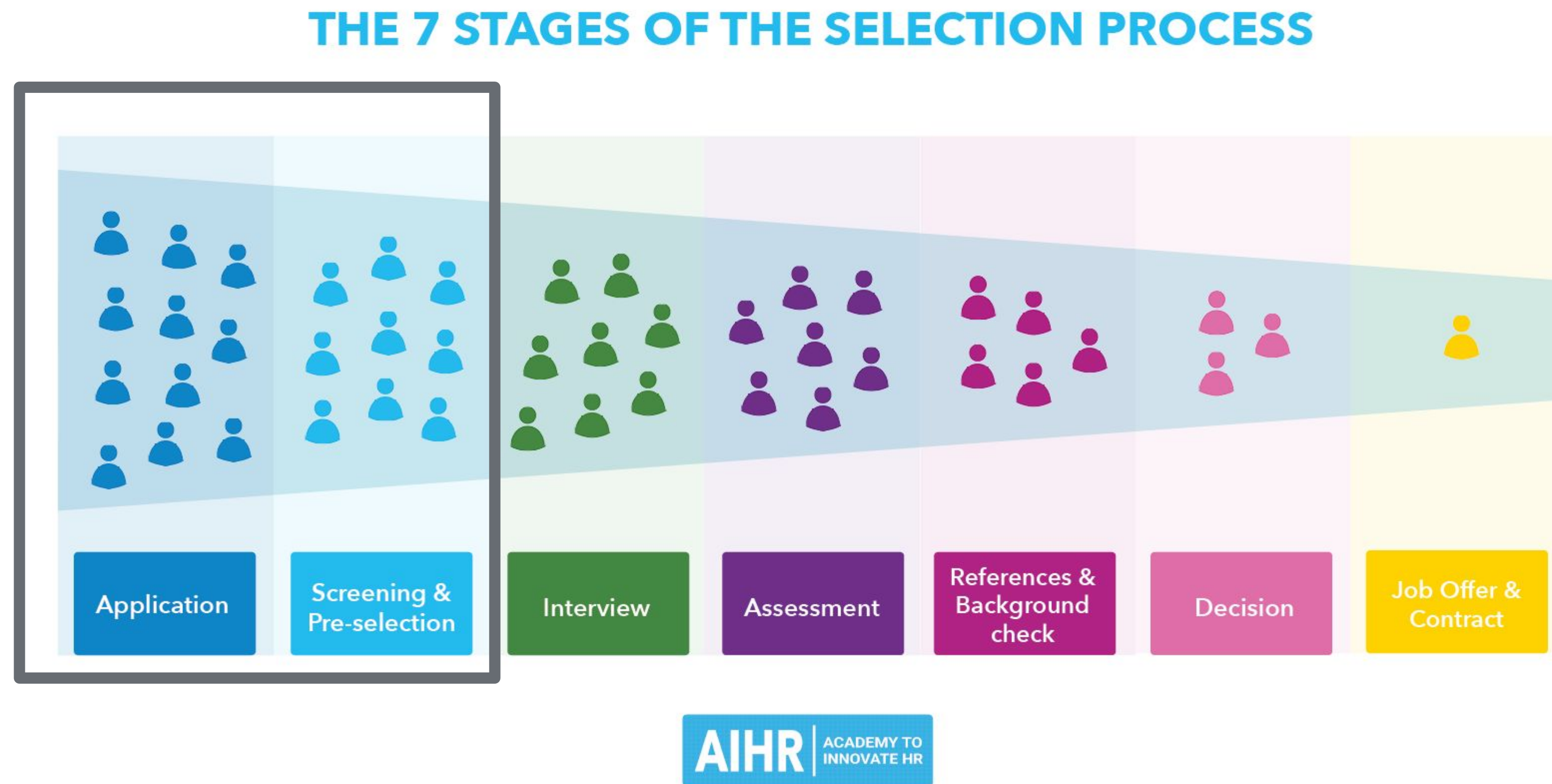


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Vilnius University



If you want to hear about every step in detail, make sure to follow our FB page
on **facebook.com/dscvilnius**

On the road - Typical job application flow in the World



This chart is only for display purposes.

Comparison of the markets

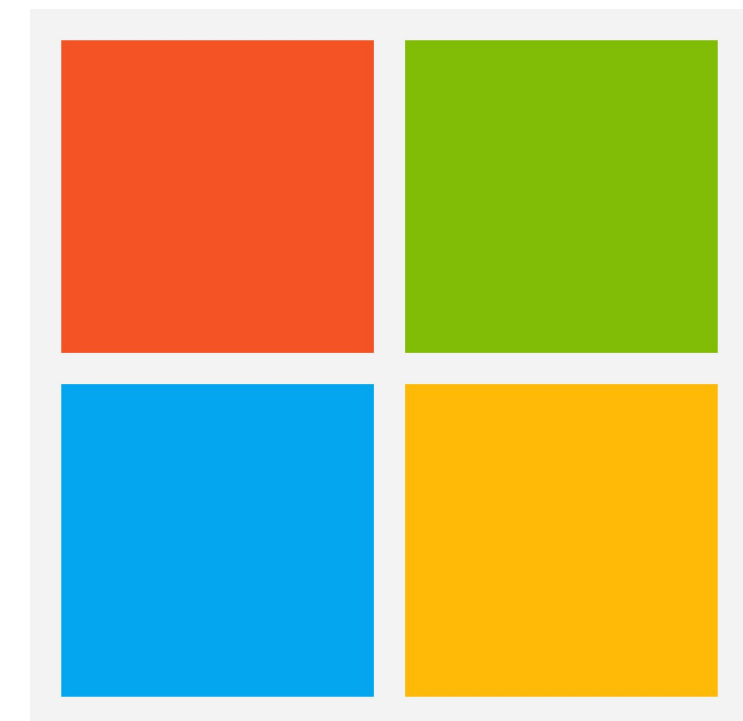
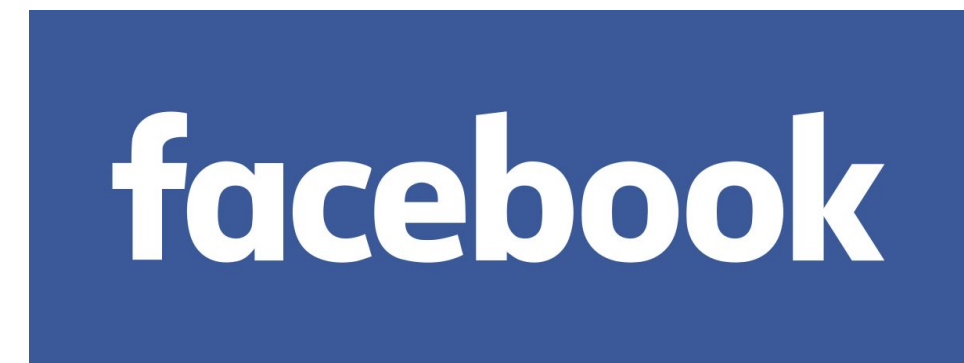
What is better?



Benefits	<ul style="list-style-type: none">● Insurance● Office● Free food/parking/swag● (After the pandemic) Remote work	<ul style="list-style-type: none">● Corporate housing● Travel● Rotational programs● Unlimited PTO● Reimbursements (tuition, internet, gym, phone)
Compensation (salary) consists of	<ul style="list-style-type: none">● Base salary	<ul style="list-style-type: none">● Base salary● Stocks● Signing bonuses● Yearly bonuses

But there's more...





Any Questions?



Links - Icons

- https://www.flaticon.com/free-icon/monitor_3474360?term=monitor&page=1&position=2&page=1&position=2&related_id=3474360&origin=search
- https://www.iconfinder.com/icons/6572265/building_education_school_university_icon
- https://www.flaticon.com/premium-icon/calendar_2773222?term=30&page=1&position=4&page=1&position=4&related_id=2773222&origin=search
- https://www.flaticon.com/free-icon/exp_1088629?term=exp&page=1&position=2&page=1&position=2&related_id=1088629&origin=search
- https://www.flaticon.com/premium-icon/speed-limit_3970347?term=30&page=1&position=2&page=1&position=2&related_id=3970347&origin=search
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- https://www.flaticon.com/premium-icon/certificate_3000745?term=certificate&page=1&position=1&page=1&position=1&related_id=3000745&origin=search
- https://www.flaticon.com/premium-icon/management_3281275?term=management&page=1&position=7&page=1&position=7&related_id=3281275&origin=search
- https://www.flaticon.com/free-icon/calculator_2344247?term=calculator&page=1&position=2&page=1&position=2&related_id=2344247&origin=search
- https://www.flaticon.com/free-icon/worldwide_814587?term=world&page=1&position=1&page=1&position=1&related_id=814587&origin=search
- https://www.flaticon.com/premium-icon/online-learning_3040158?term=online%20course&page=1&position=1&page=1&position=1&related_id=3040158&origin=tag

Links - Open Source

- Git Extensions - [gitextensions/gitextensions](https://gitextensions.com/): Git Extensions is a standalone UI tool for managing git repositories. It also integrates with Windows Explorer and Microsoft Visual Studio (2015/2017/2019).
- Windows Calculator - [microsoft/calculator](https://www.microsoft.com/calculator/): Windows Calculator: A simple yet powerful calculator that ships with Windows
- Linux - [torvalds/linux](https://torvalds.org/linux/): Linux kernel source tree

Links - other

- <https://www.facebook.com/dscvilnius>
- [Usergroups.lt - meetups in Lithuania for developers](#)
- <https://www.meetup.com/find/?location=lt--Vilnius&source=EVENTS>

Market analysis sources - Pay

- Lithuania - [Average Software Engineer Salary in Lithuania](#)
- United States - Average Software Developer Salary - [Software Engineer Salary | PayScale](#)
- Australia - Average Software Developer Salary - [Software Engineer Salary in Australia | PayScale](#)
- United Kingdom - Average Software Developer Salary - [Software Engineer Salary in United Kingdom | PayScale](#)
- Germany - [Software Engineer Salary in Germany | PayScale](#)
- Poland - [Software Engineer Salary in Poland | PayScale](#)

Market analysis sources - Junior Jobs

- United States - [6,581,000+ Jobs in United States \(226,315 new\)](#)
- UK - [6,581,000+ Jobs in United States \(226,315 new\)](#)
- Germany - [6,581,000+ Jobs in United States \(226,315 new\)](#)
- Australia - [6,581,000+ Jobs in United States \(226,315 new\)](#)
- Poland - [6,581,000+ Jobs in United States \(226,315 new\)](#)