



GitHub

How software is built.

Introductions



Clay Nelson

Southeast Enterprise Sale Executive

@ClayNelson

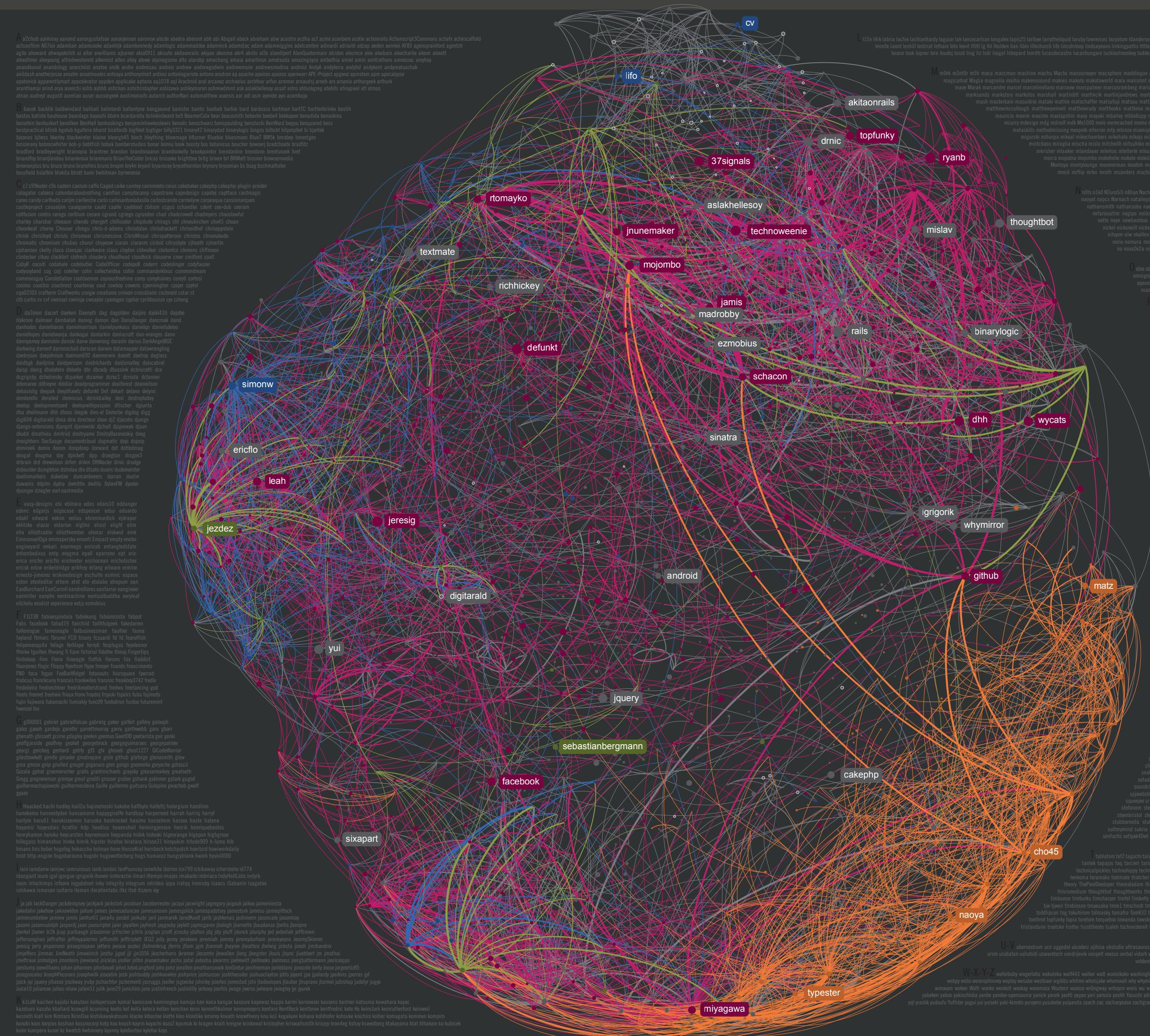
claynelson@github.com

- 20 Years in software development market
- Started as a web developer
- Former CTO
- Father of three... teaching to code

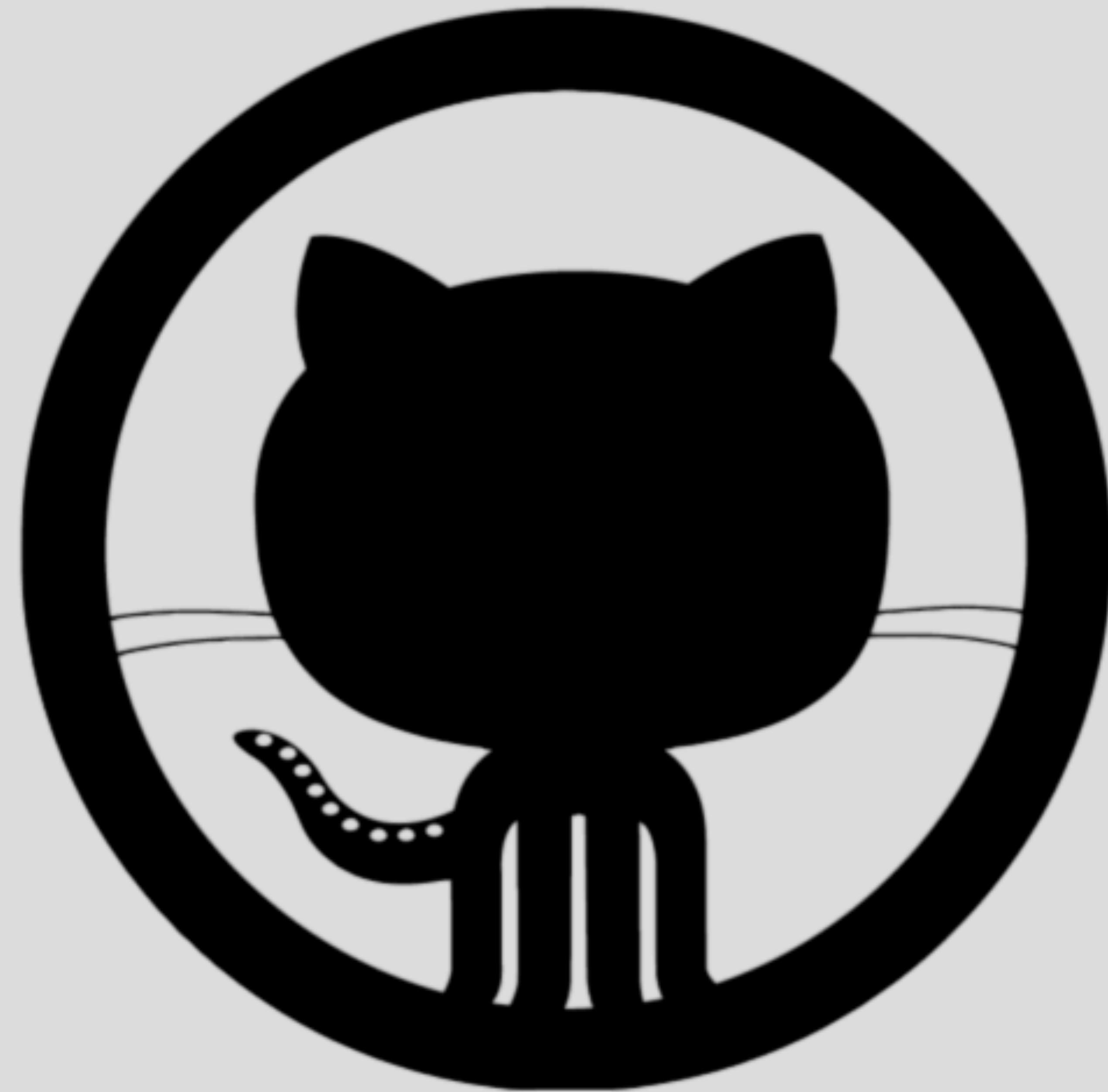
Agenda



- Who is GitHub?
 - Your Opportunity
 - Team Basics
 - How to get started



Anna's Story



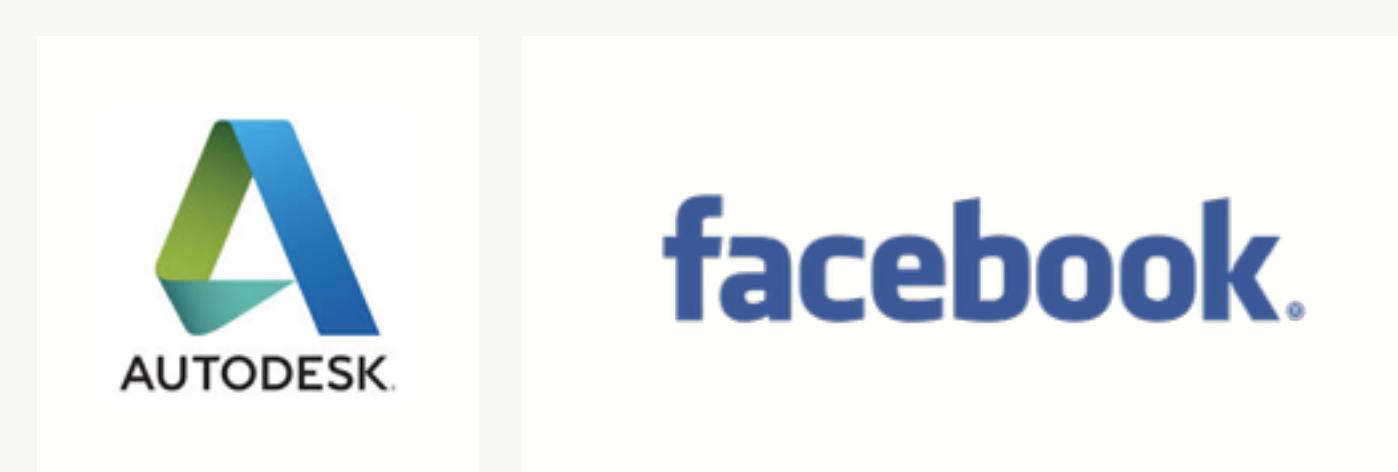
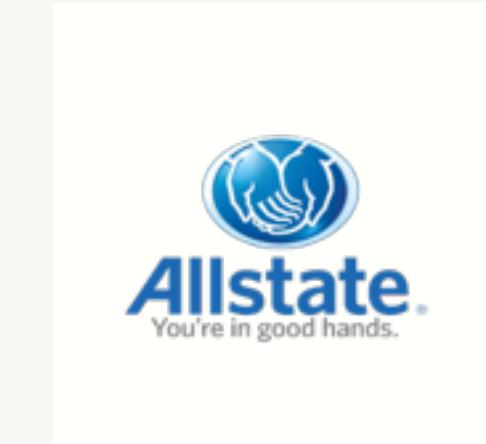
How the world builds software



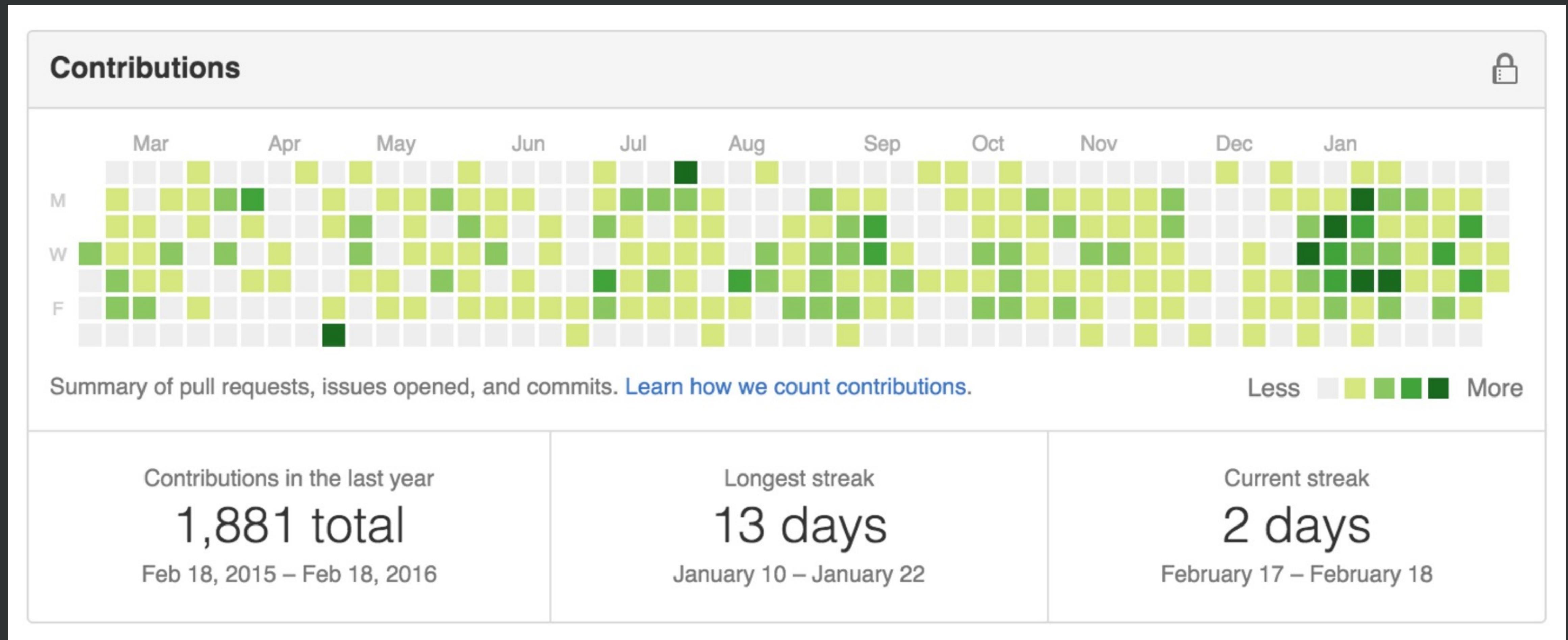
OPEN SOURCE
LEADERS

SOFTWARE
SPECIALISTS

FORWARD THINKING
ENTERPRISES



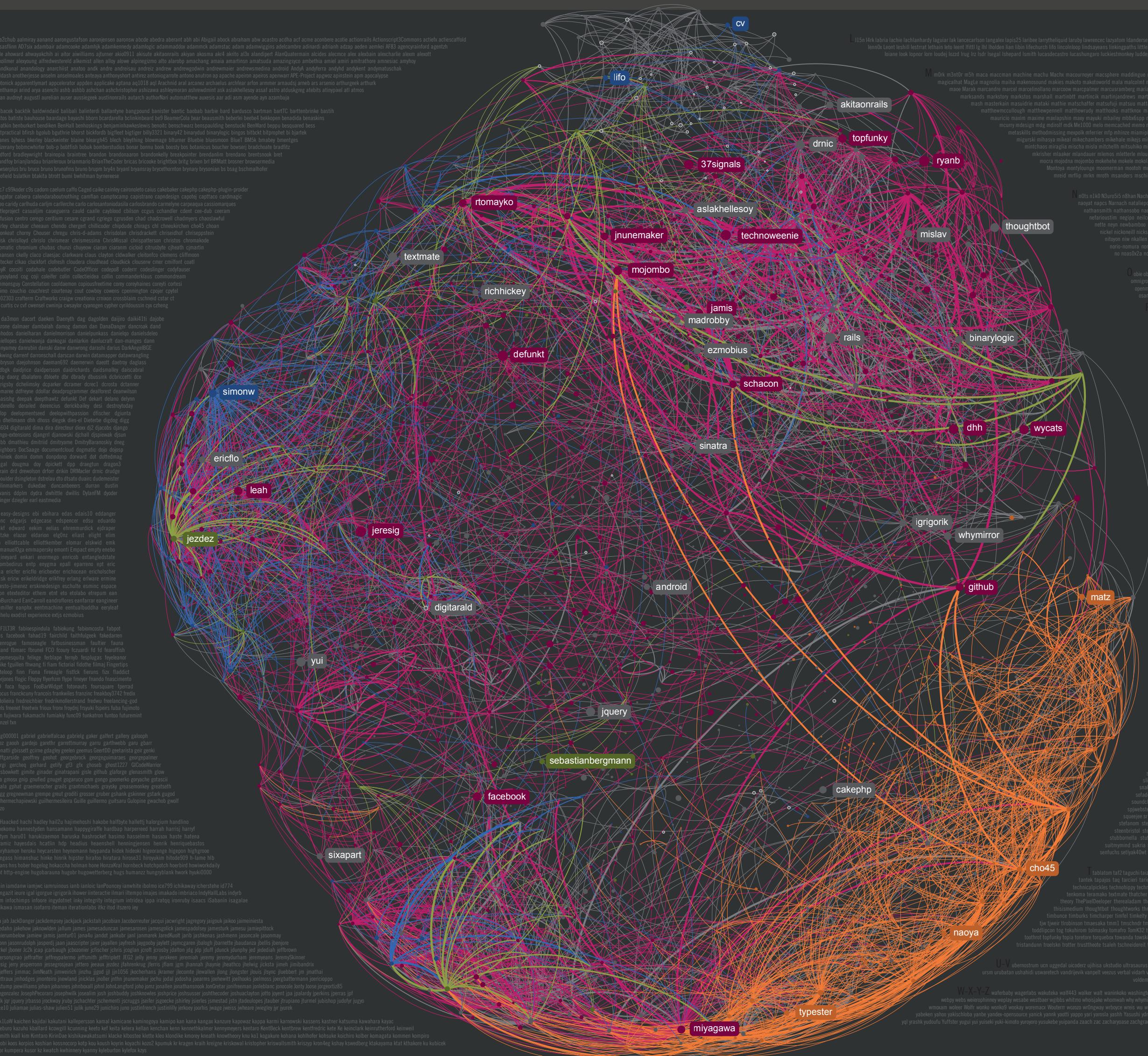
What GitHub means to a developer



Agenda



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Software Development is more ***Open*** than ever



- **Open Development**
- **Open Opportunity**
- **Open to and craving diversity**

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The screenshot shows a GitHub organization page for 'Predix'. The page includes a header with the organization's name and a brief description: 'Accelerate your Predix development with sample code and reusable UI components.' Below the header, there are tabs for 'Repositories' and 'People'. The 'Repositories' tab is selected, showing four entries:

- px-simple-chart-common-behavior**: Updated 7 minutes ago. Details: CSS ★ 0 ⚡ 0
- rmd-orchestration**: Updated 8 minutes ago. Details: Java ★ 2 ⚡ 1
- px-drawer**: THIS COMPONENT IS NOT YET RELEASED. Updated 26 minutes ago. Details: HTML ★ 0 ⚡ 0
- predix-scripts**: Updated an hour ago. Details: Shell ★ 0 ⚡ 0

The 'People' tab on the right lists two members: 'morficus' (Maurice Williams) and 'sks' (Sabith).

Software Development is more **Open** than ever



BUSINESS
INSIDER

CAREERS

The 15 best entry-level jobs in 2016

Jacquelyn Smith [✉](#) [Twitter](#) [g+](#)
Apr. 25, 2016, 3:40 PM [380,822](#) [9](#)

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No. 11. Web designer

VFS Digital Design/Flickr

Median annual salary: \$70,600
Immediate opportunity rank: 40
Growth potential rank: 13
Job hazards rank: 13

No. 8. Software engineer

Stephen Brashear/Getty Images

Median annual salary: \$63,550
Immediate opportunity rank: 4
Growth potential rank: 26
Job hazards rank: 79

No. 4. Web-applications developer

Flickr / VFS Digital Design

Median annual salary: \$55,950
Immediate opportunity rank: 20
Growth potential rank: 13
Job hazards rank: 18

Software Development is more **Open** than ever

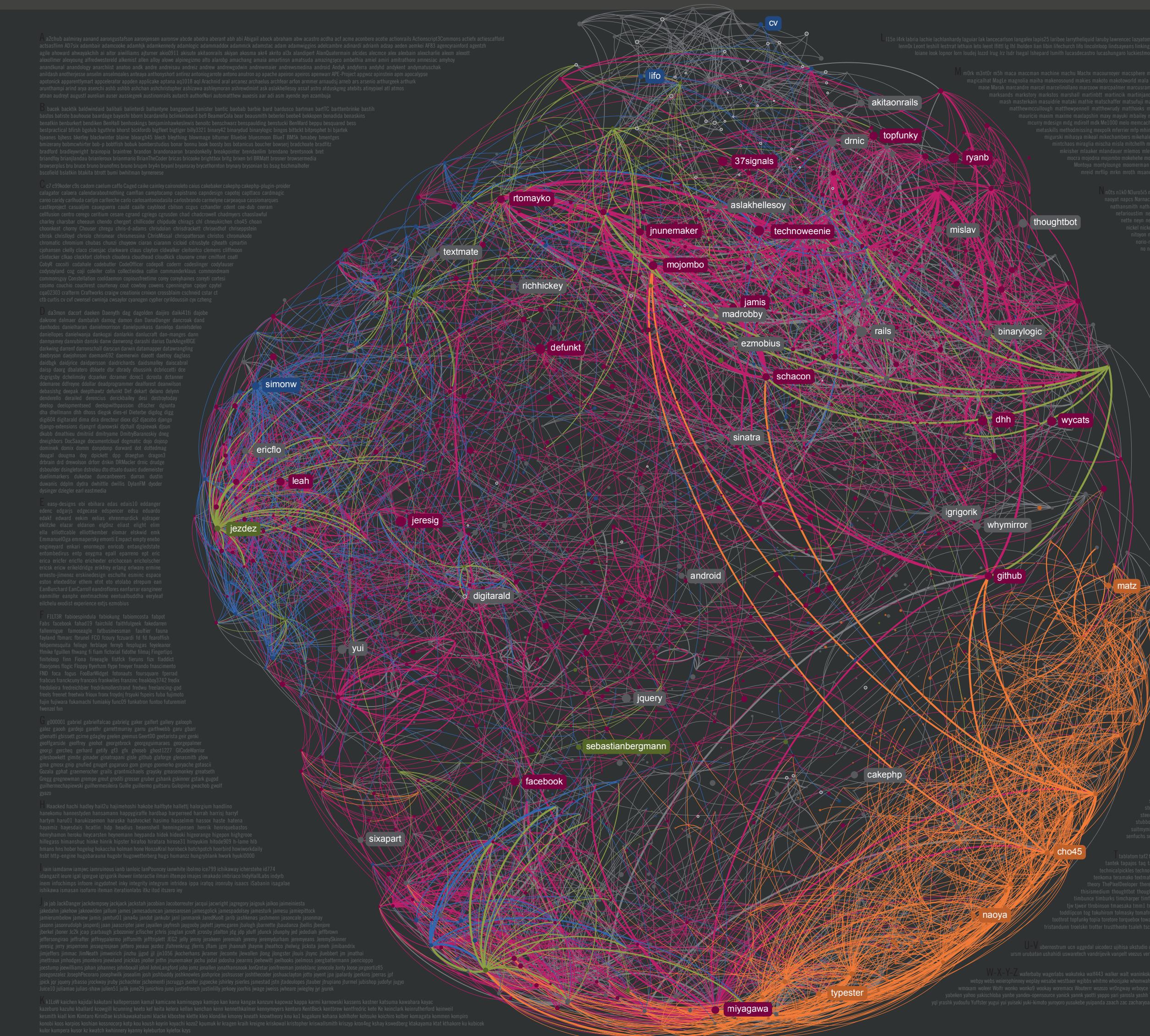


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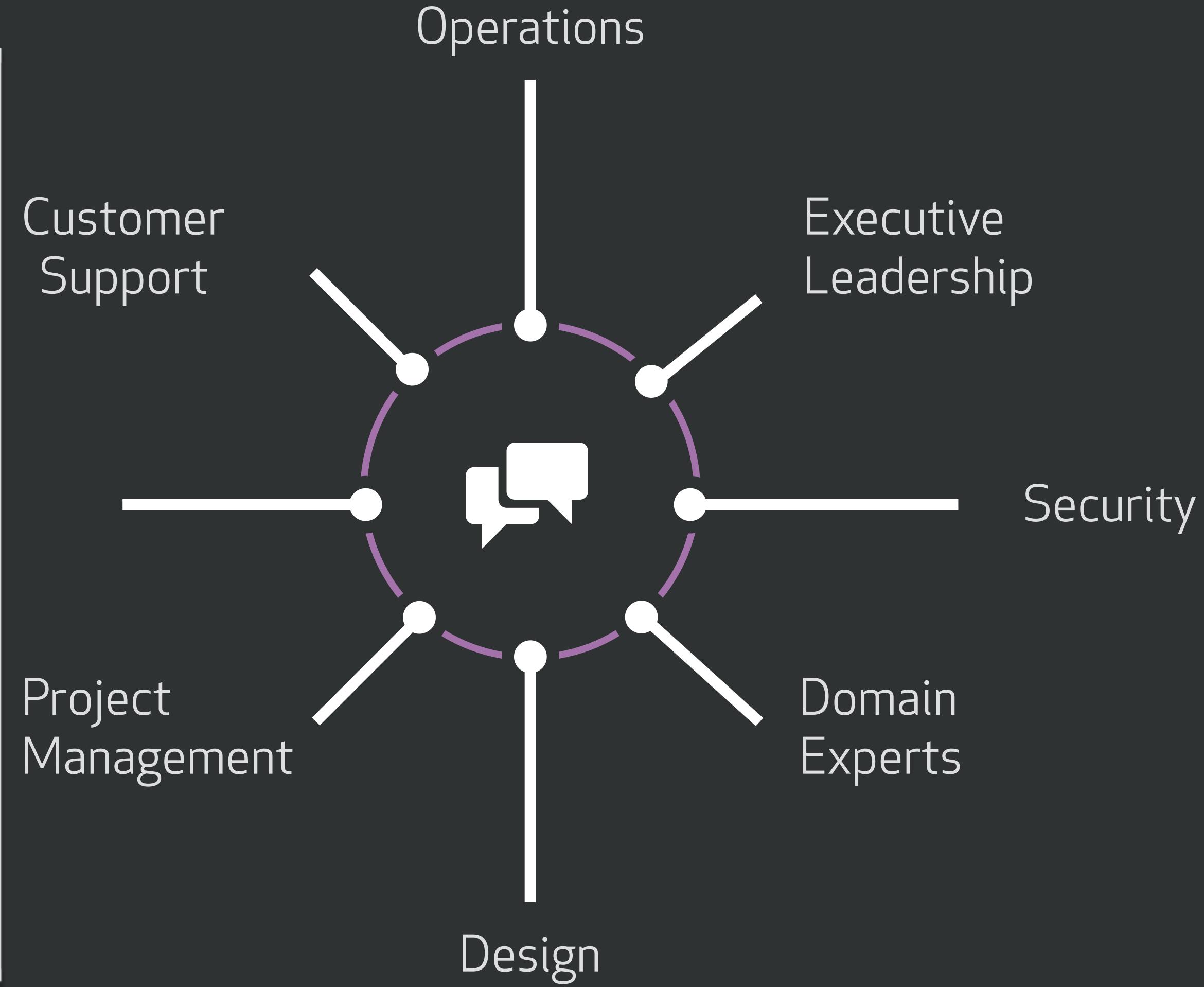


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The Rhythm of Software Development



The Challenges of Working Together

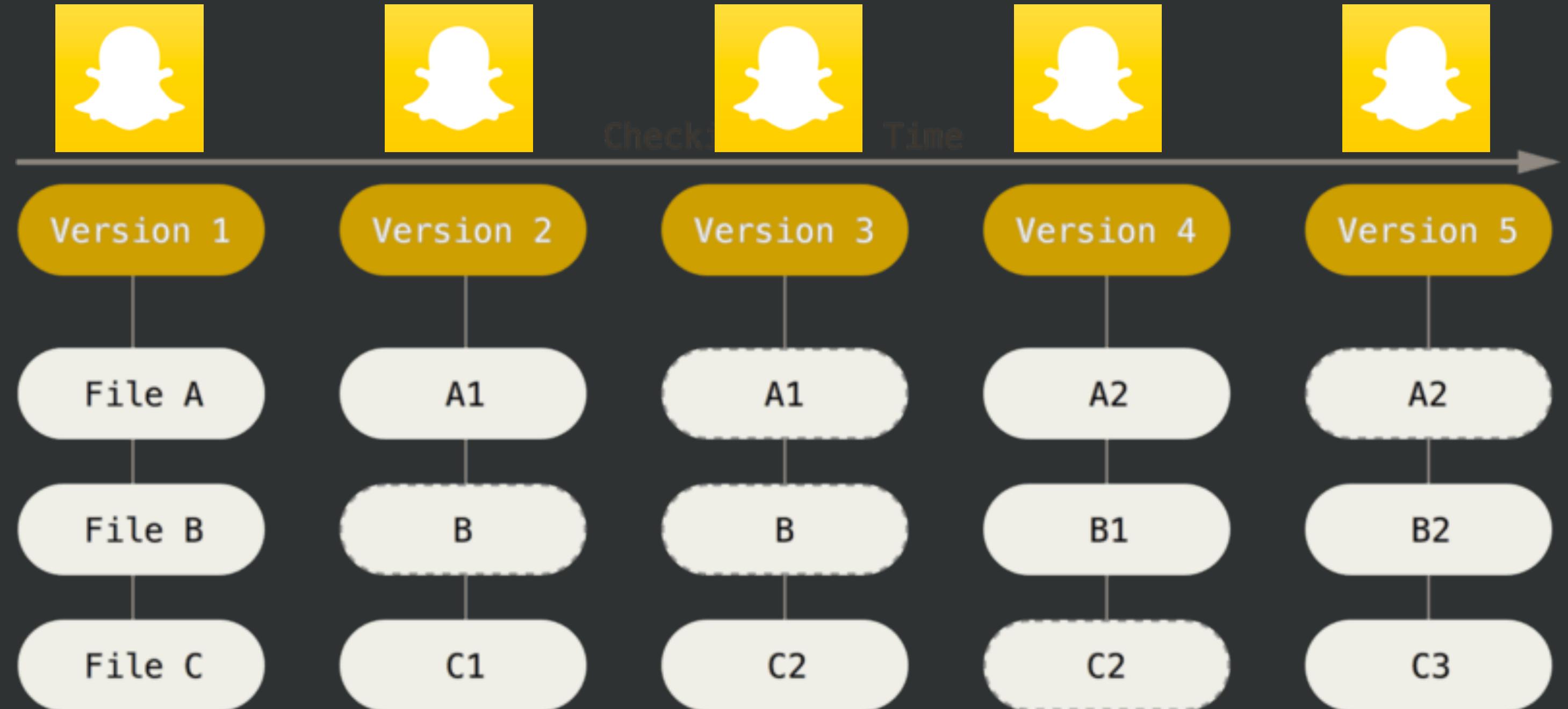


- Multiple projects at once
- Source Code is shared and often reused
- Who's got the right file?
- Different cities & different times

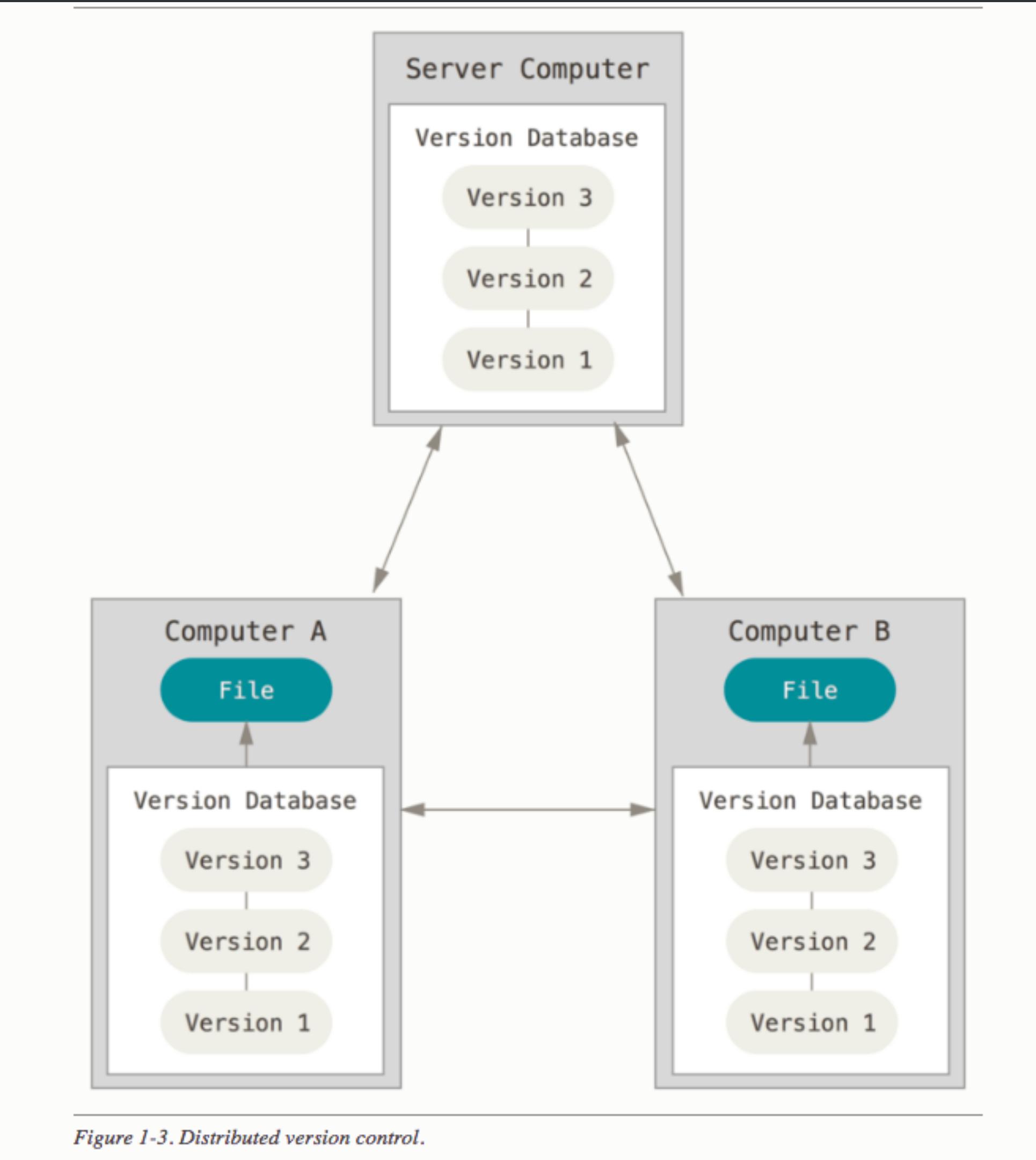


Version Control System or Software Configuration System

- Software to help you manage versions of your software
- Each “version” is like taking a snapchat of the code that works together.

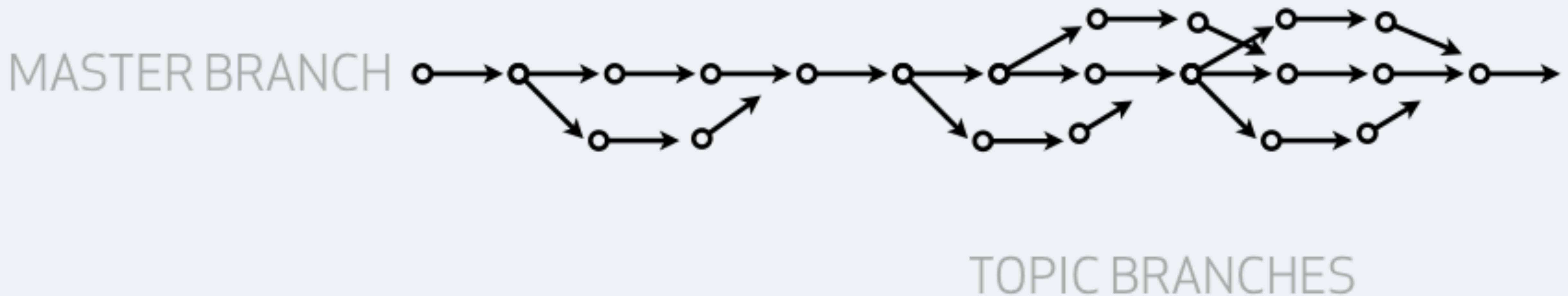


Some Basics of Version Control



- **Repository**- The container for all your project stuff
- **Clone**- A copy of a repository (usually on your local machine)
- **Branch**- A set of files related to each other (like a new feature). The Master Branch is the default when you create a repository

Some Basics of Version Control



What's the difference between Git & GitHub

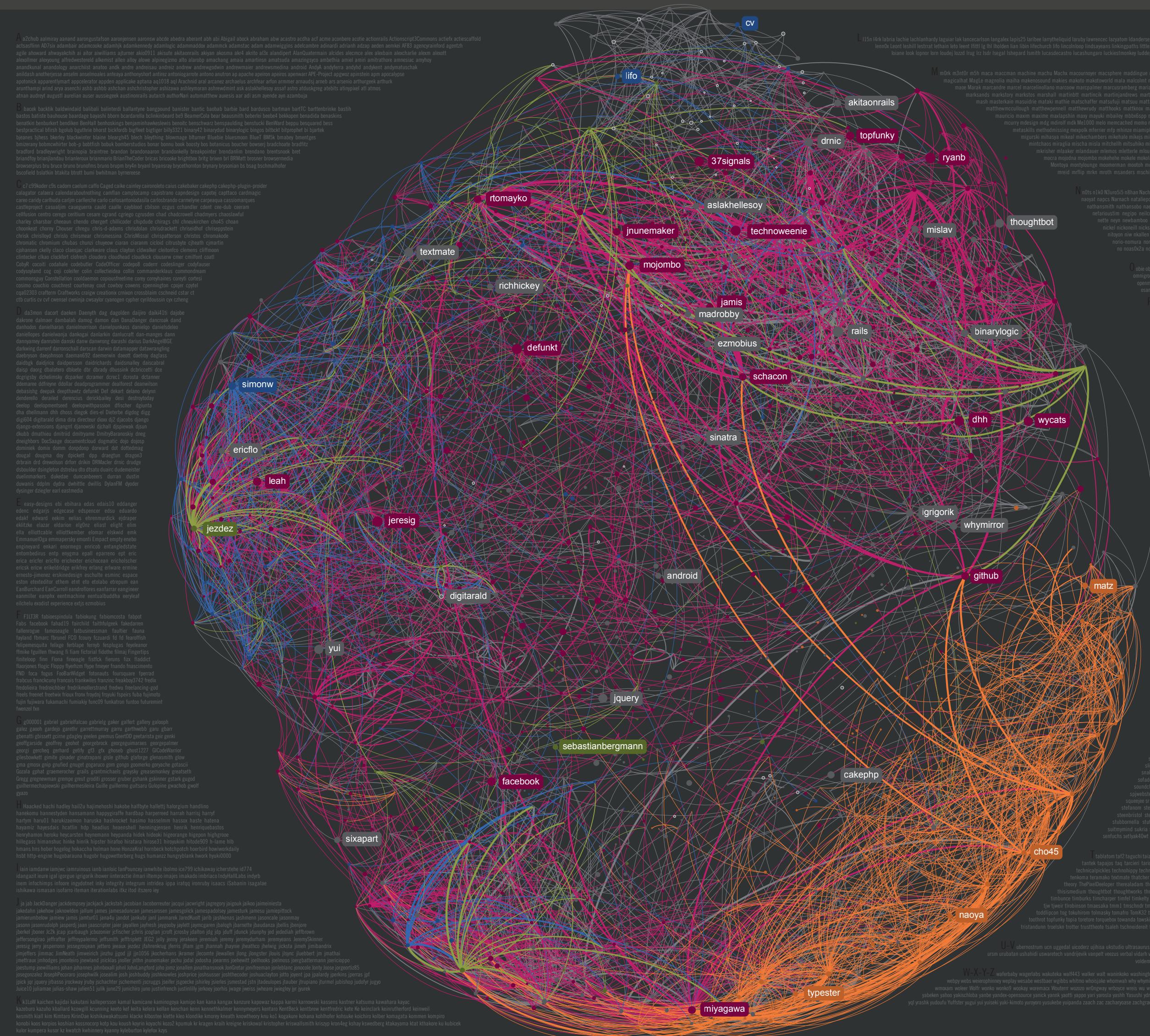


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Let's Do This



- Open a Browser to:

1) <https://guides.github.com/introduction/flow/>

- 5 Mins

2) <https://guides.github.com/activities/hello-world/>

- 10 Mins



More Resources



- Visual explanation of Version Control Systems <http://betterexplained.com/articles/a-visual-guide-to-version-control/>
- Getting Started Guides on GitHub <https://guides.github.com/>



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