

# Why Elixir Matters

*A Genealogy of Functional Programming*

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@osagaius

# Who am I?

Engineer at Mailchimp

Organizer - Atlanta Elixir Meetup



# Outline

1. Introduction
2. Genealogy
3. History of Functional Programming
4. Why Elixir Matters
5. Moving Forward
6. Conclusion

# Introduction

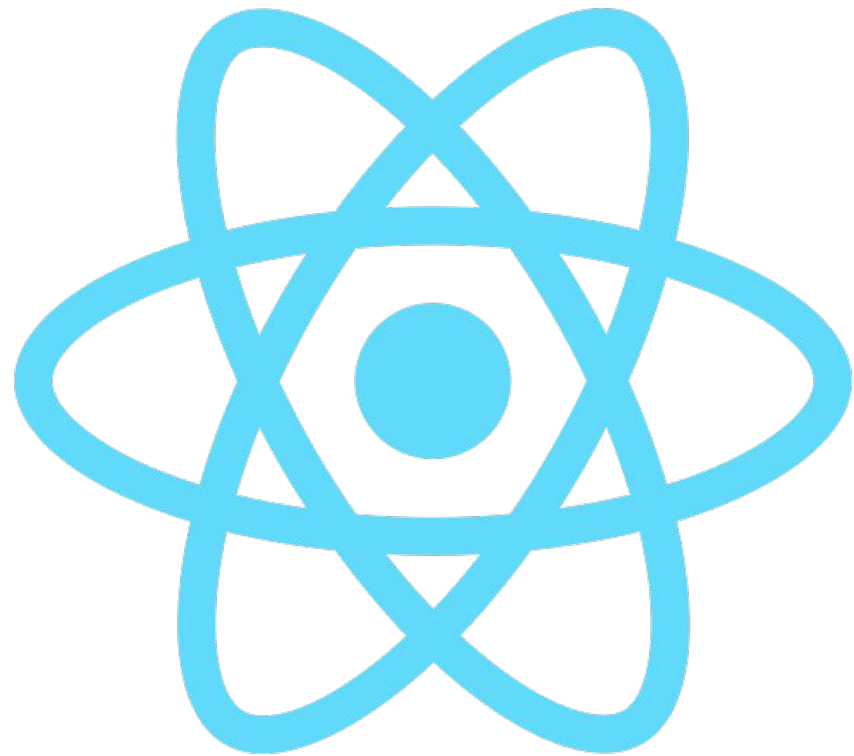


WHY DO YOU LIKE FUNCTIONAL  
PROGRAMMING SO MUCH? WHAT  
DOES IT ACTUALLY *GET* YOU?

TAIL RECURSION IS  
ITS OWN REWARD.

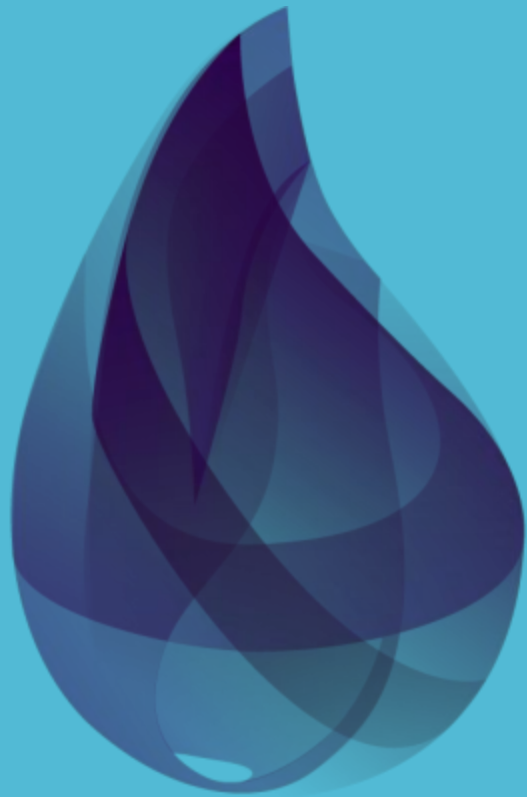




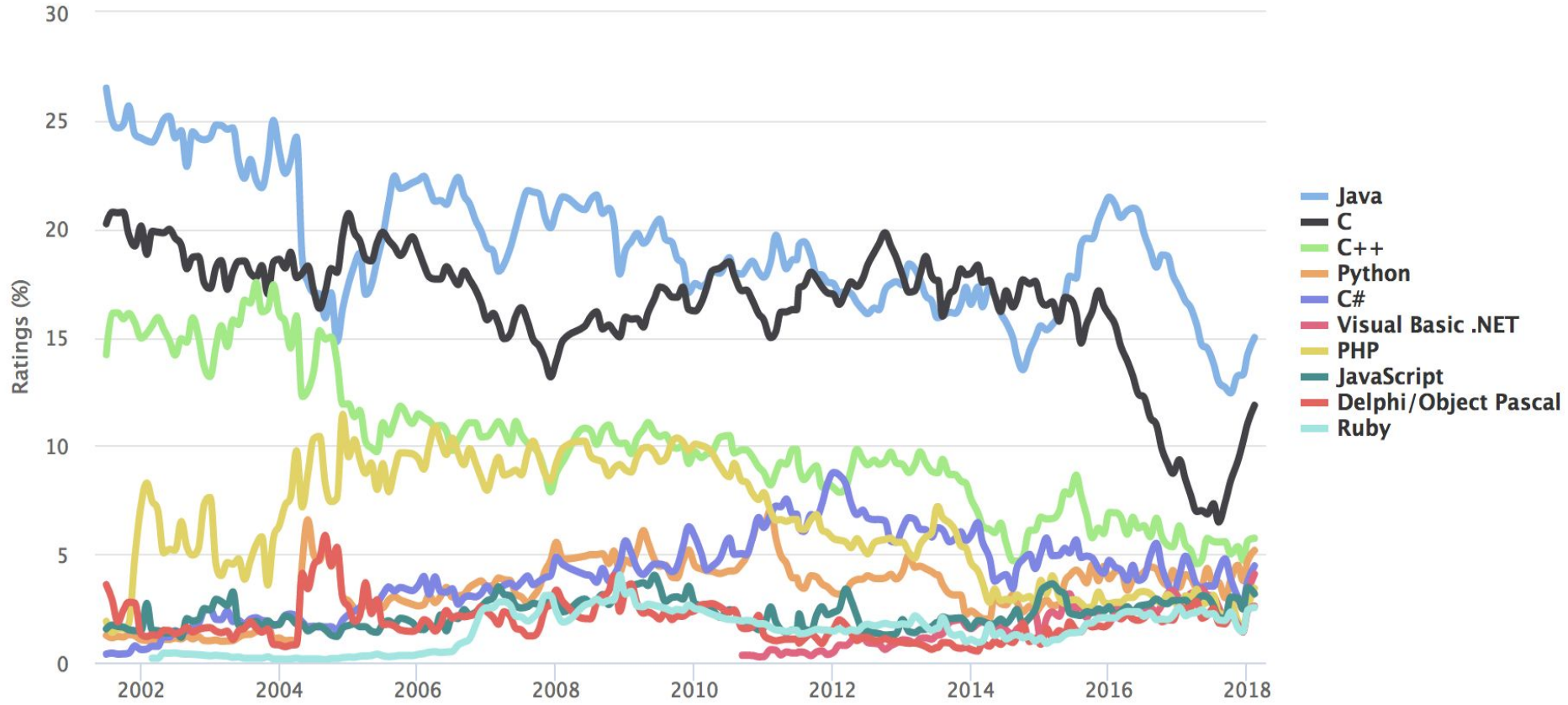






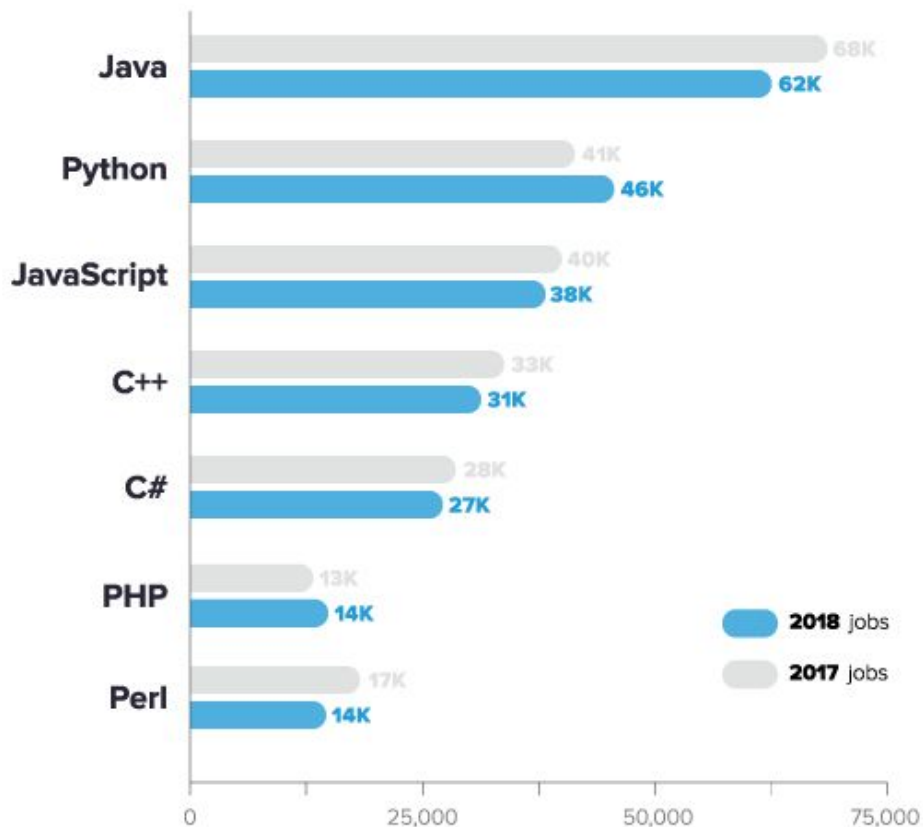


# Language Popularity (TIOBE Index)

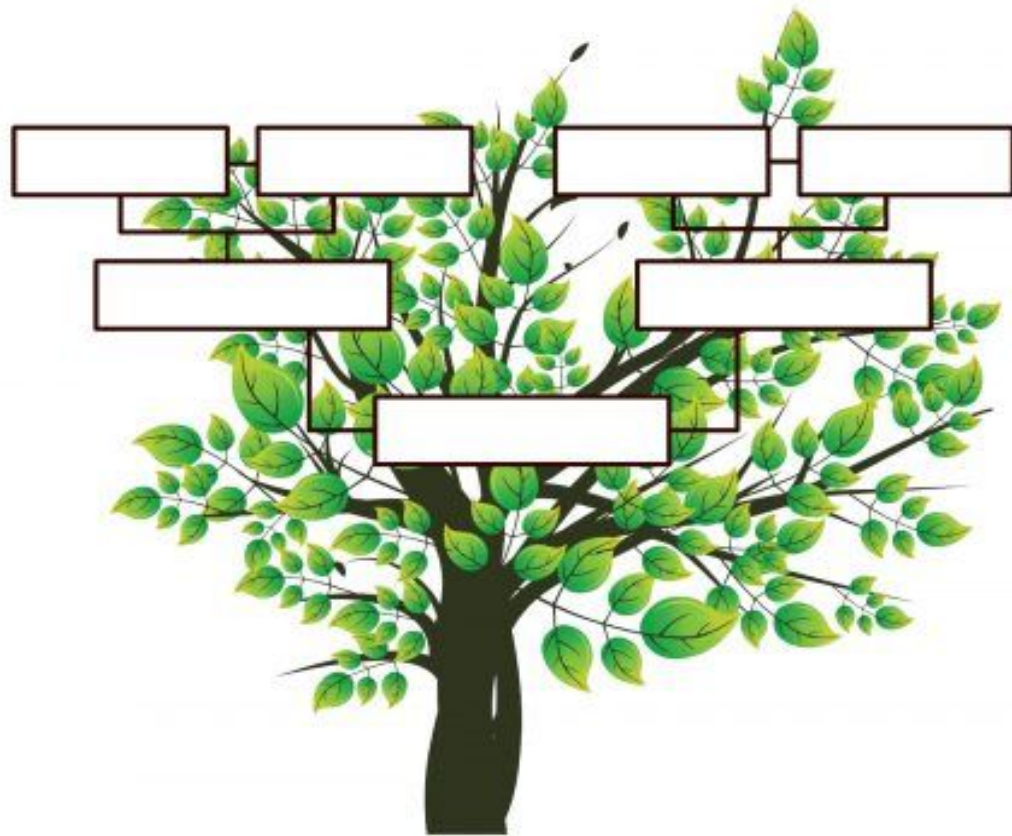


## Job postings containing top languages

Indeed.com - November, 17th 2017



**Genealogy**  
*jee-nee-ol-uh-jee*





# History of Functional Programming





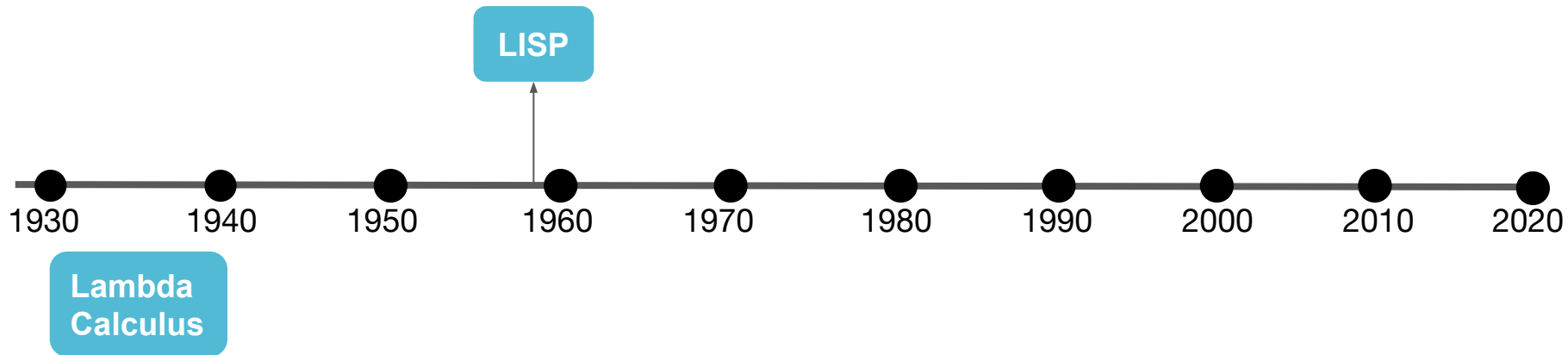


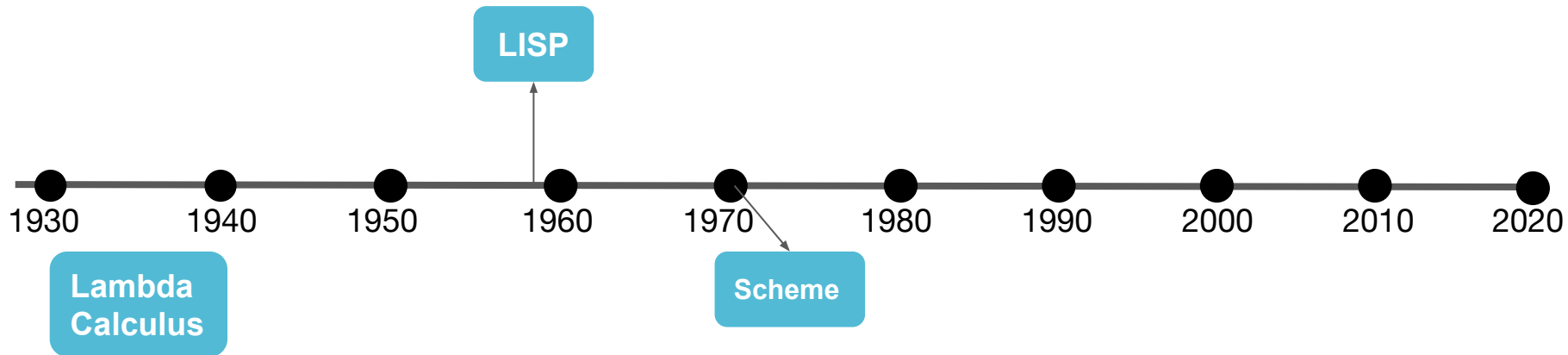
Lambda  
Calculus

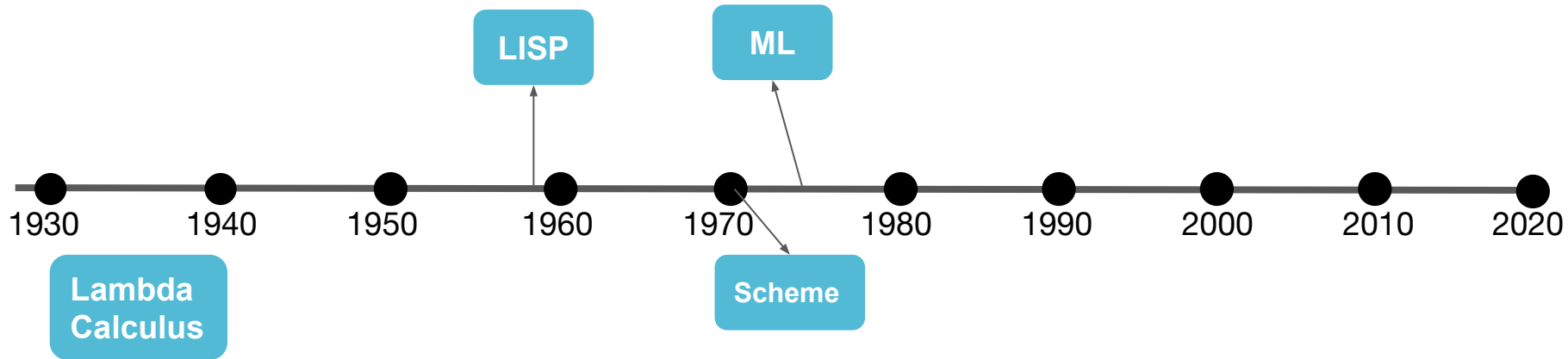
# Lambda Calculus

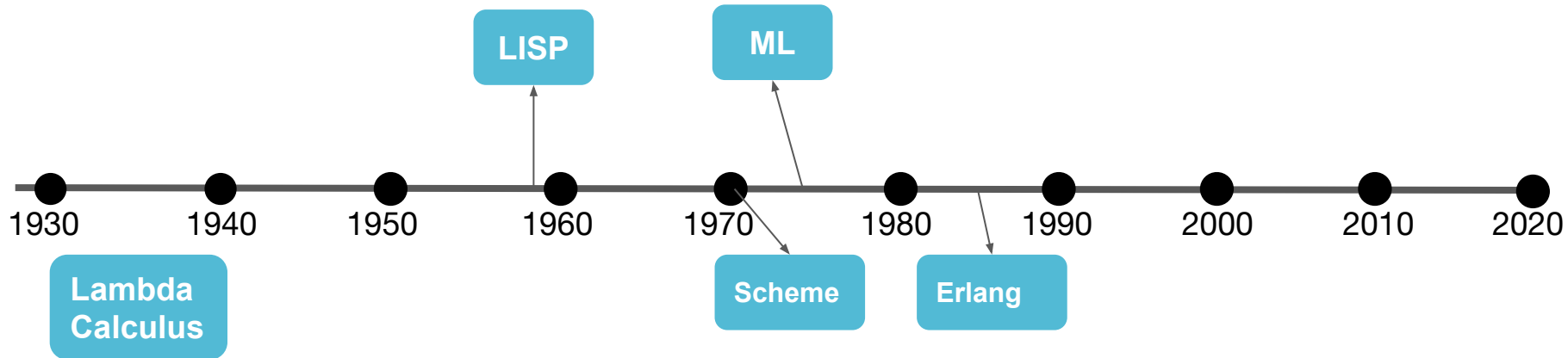


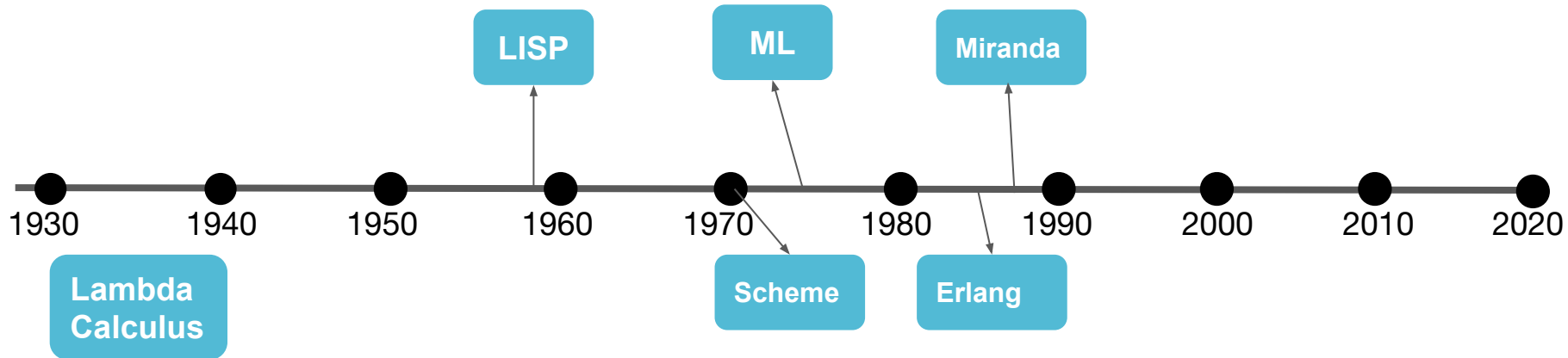
It's not for the weak



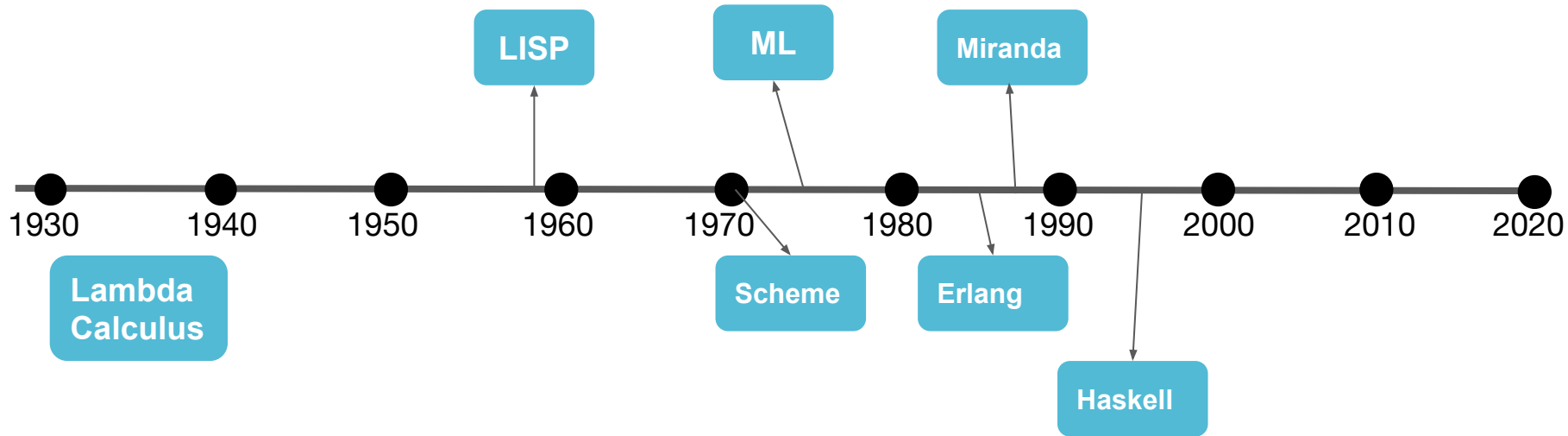


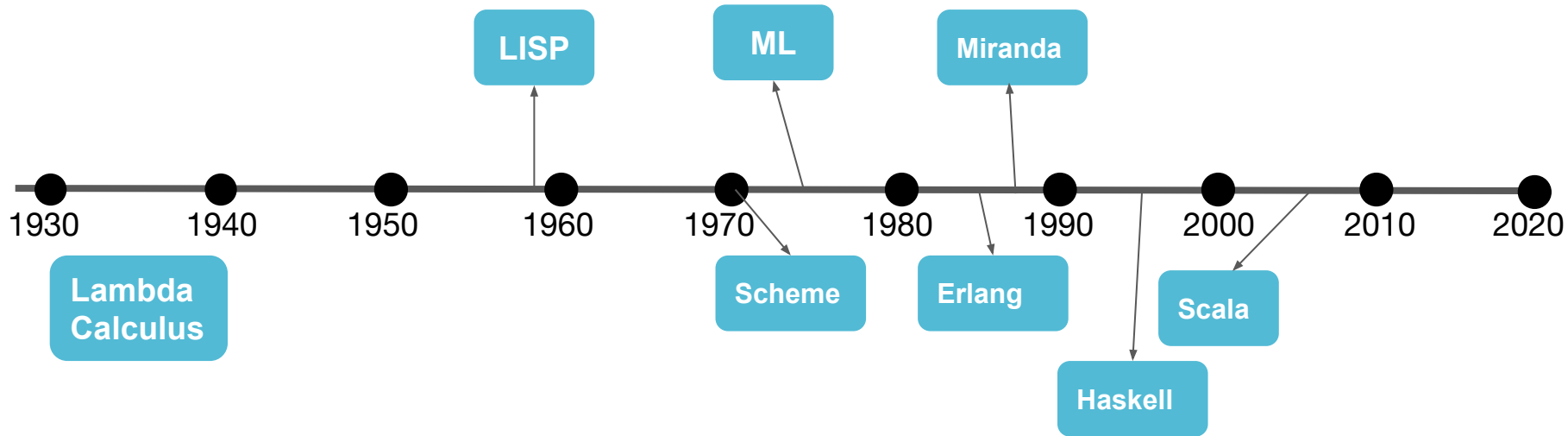


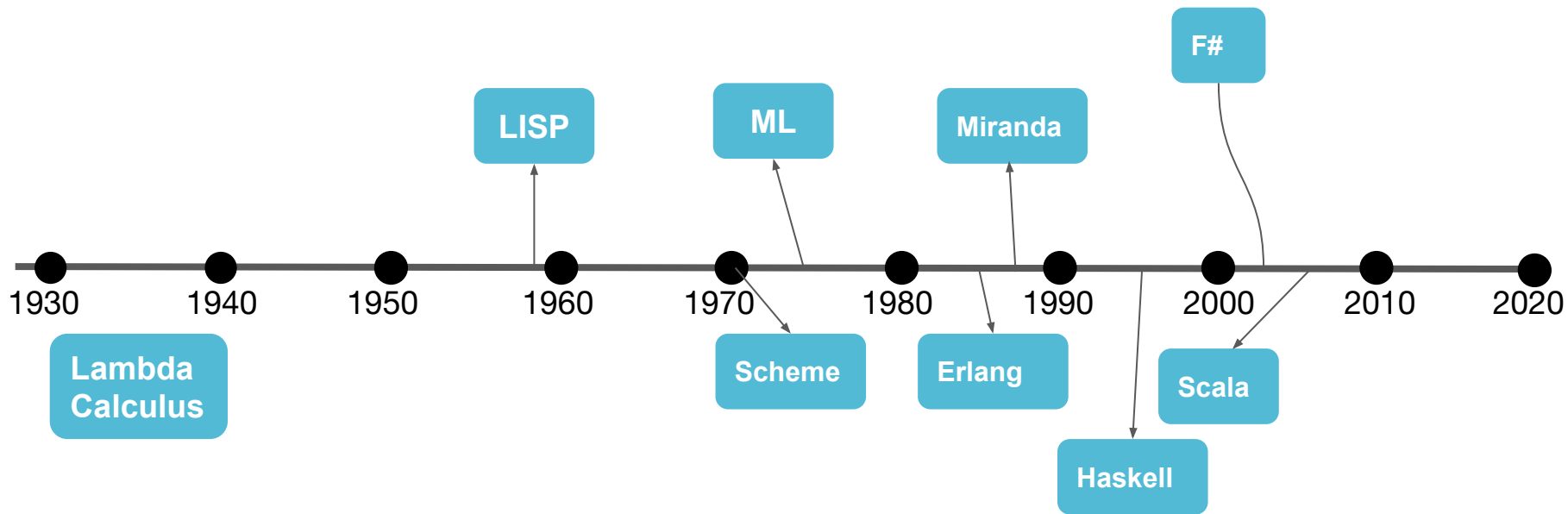


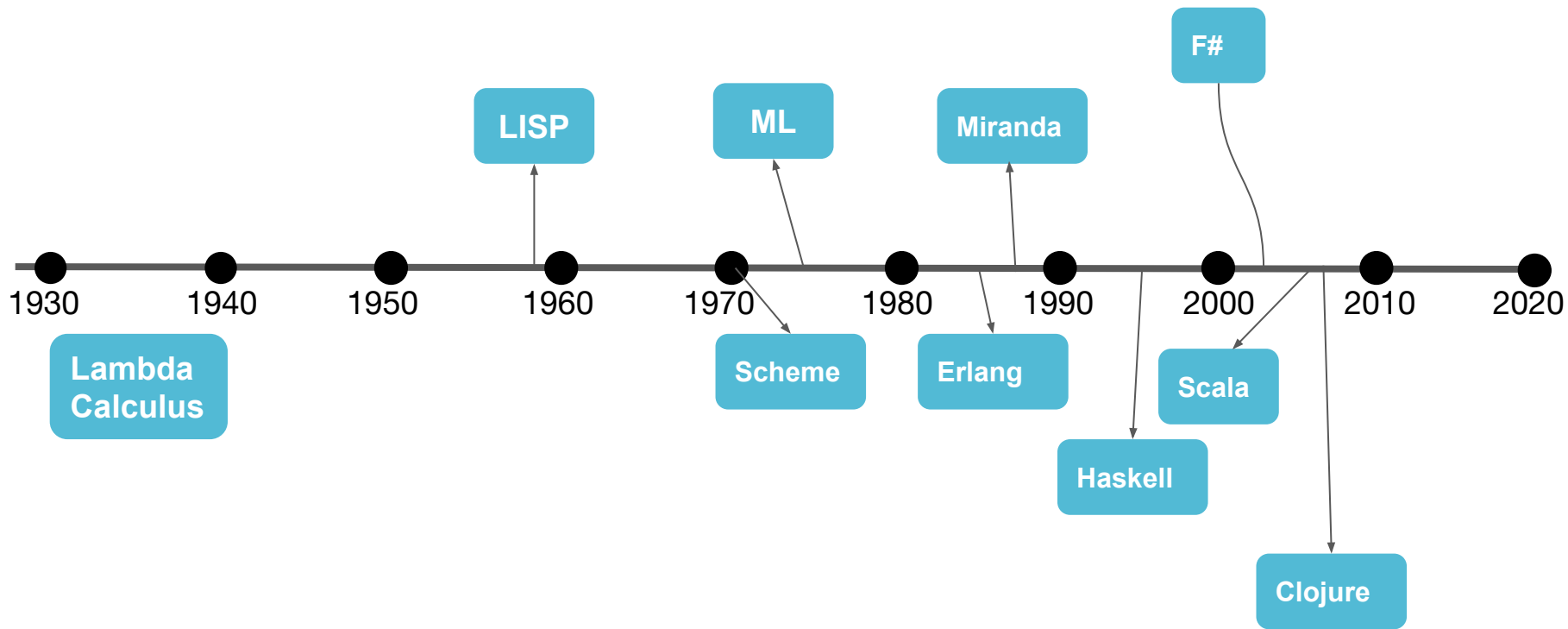


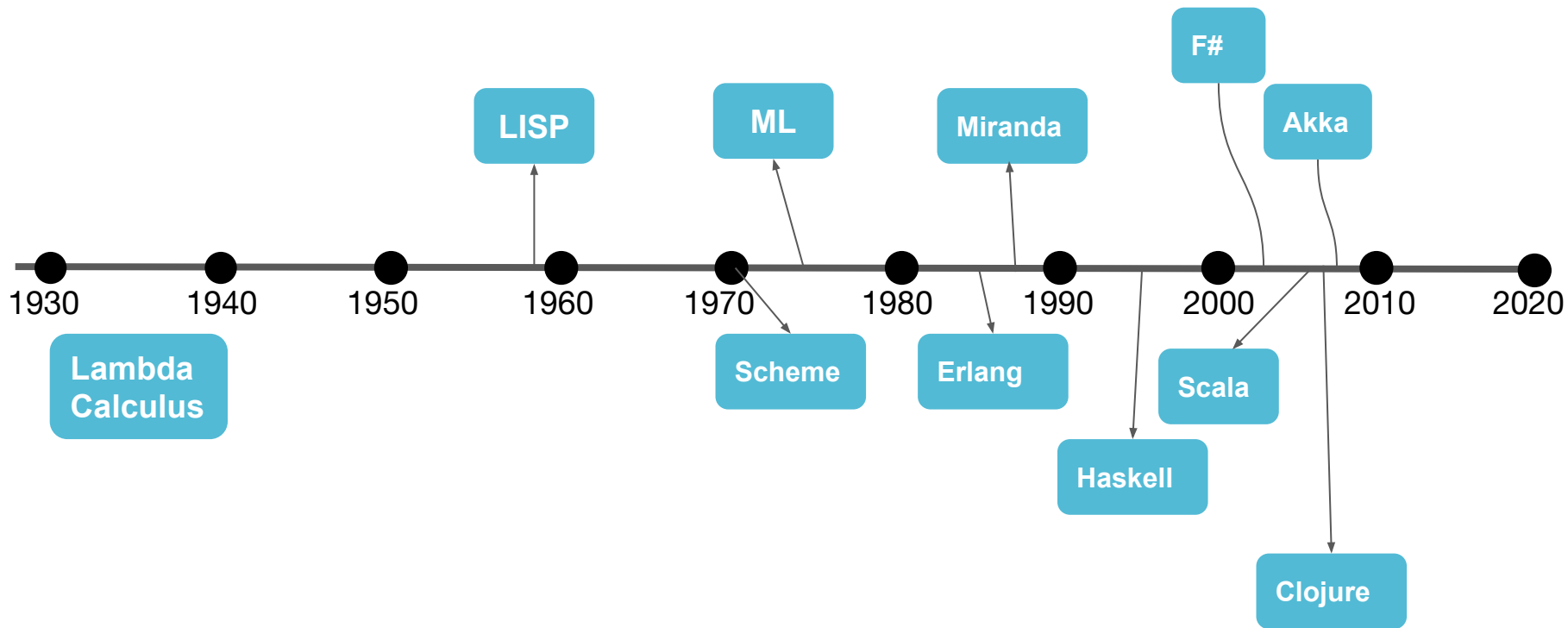


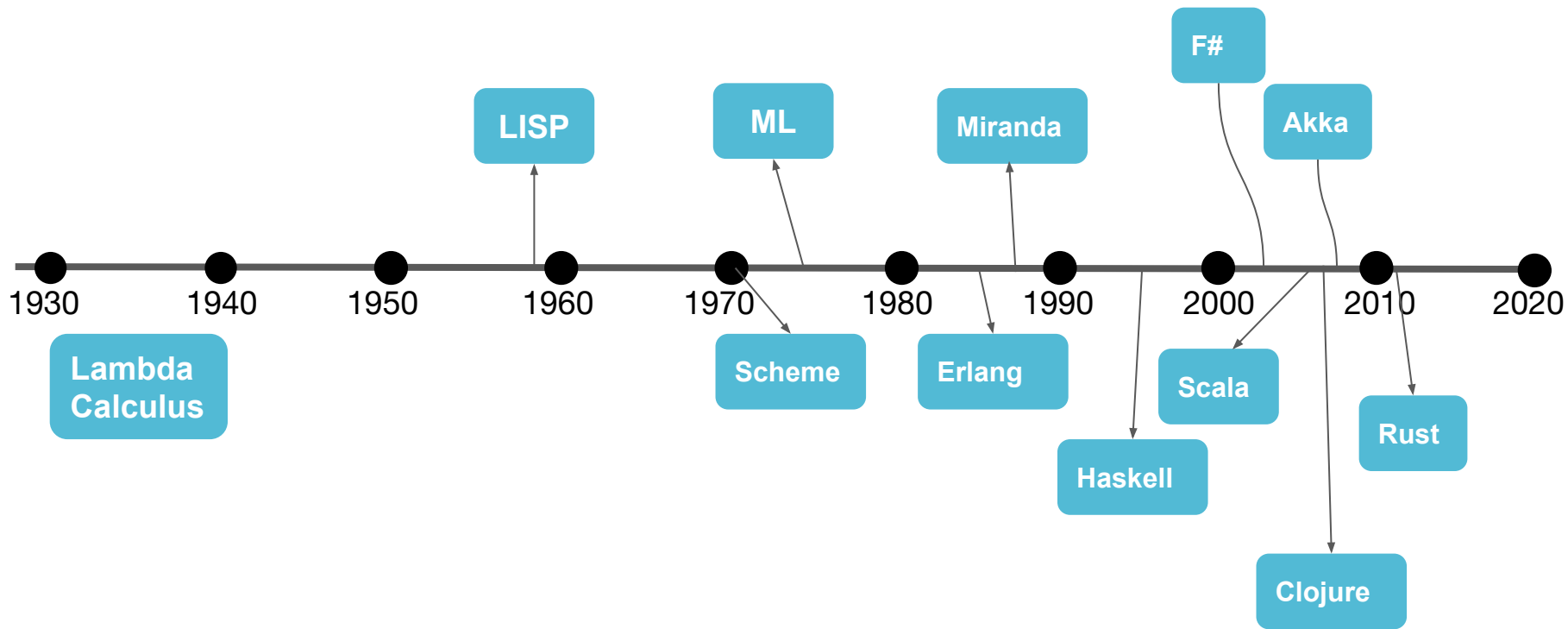


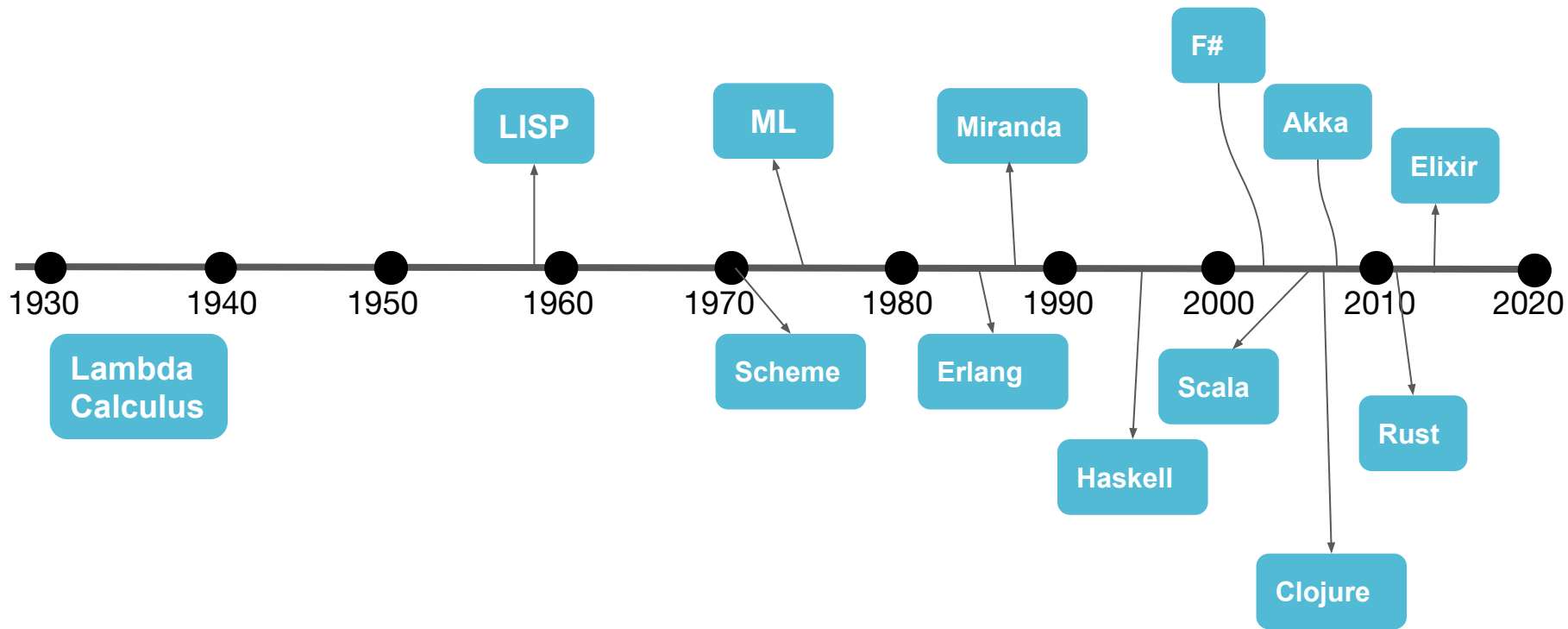


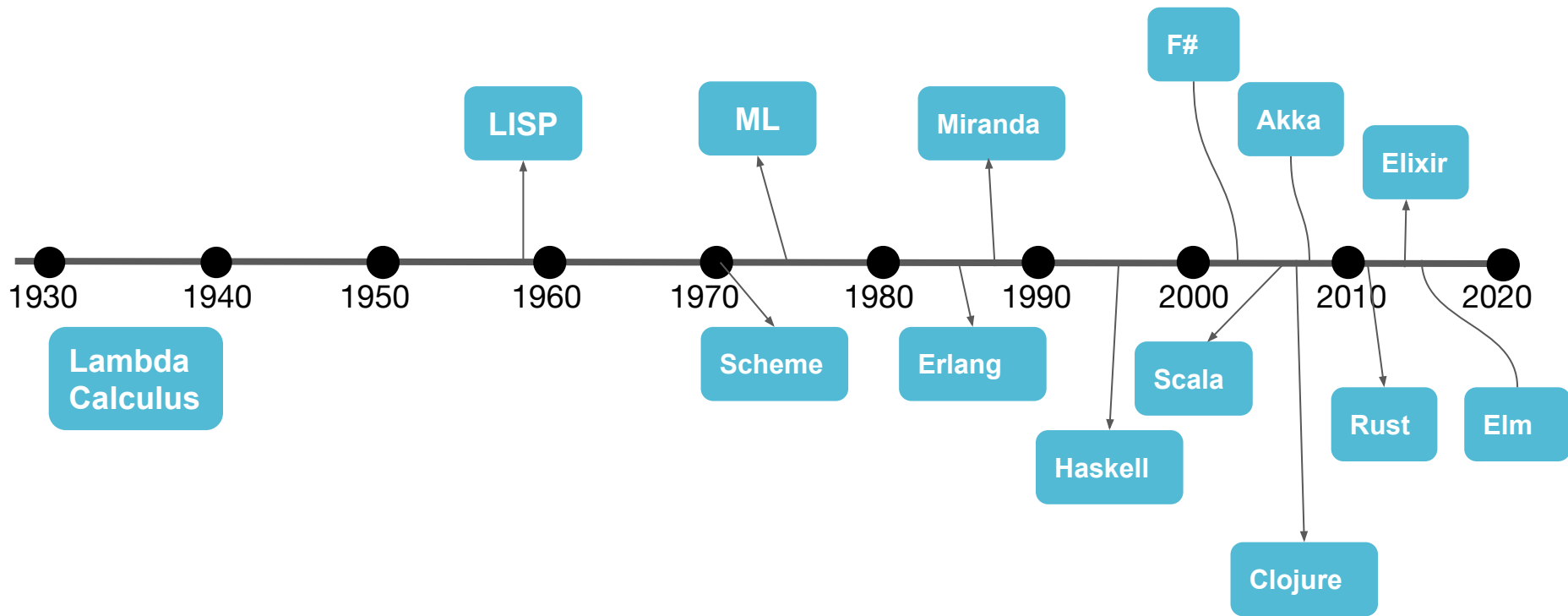














# Why Elixir Matters

*“The rise in popularity of the Internet and the need for non-interrupted availability of services has extended the class of problems that Erlang can solve.”*

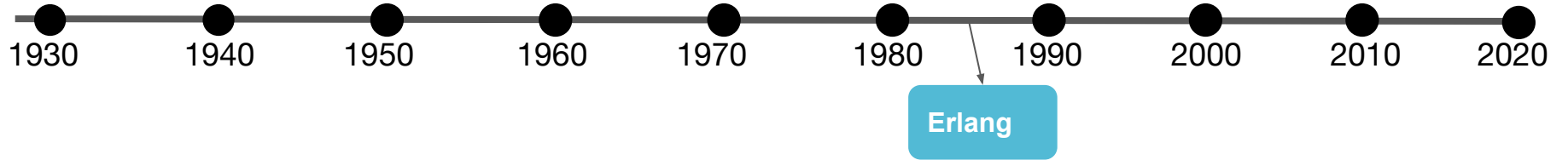
Joe Armstrong

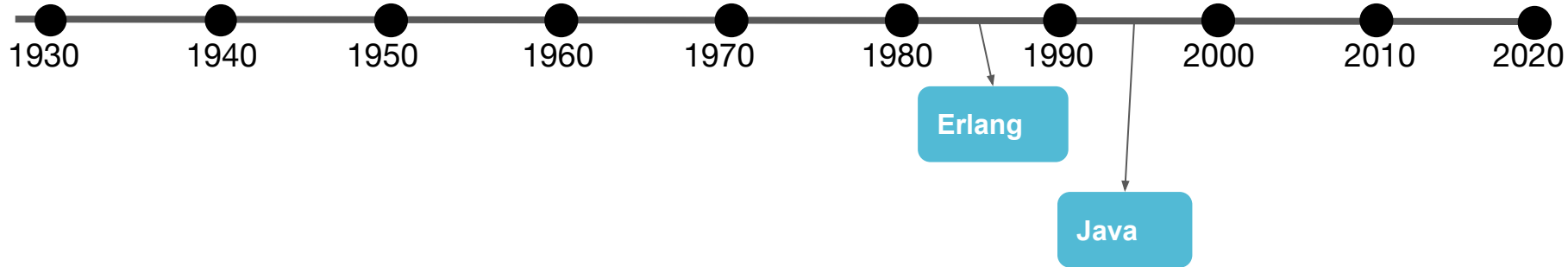
# Erlang x Elixir

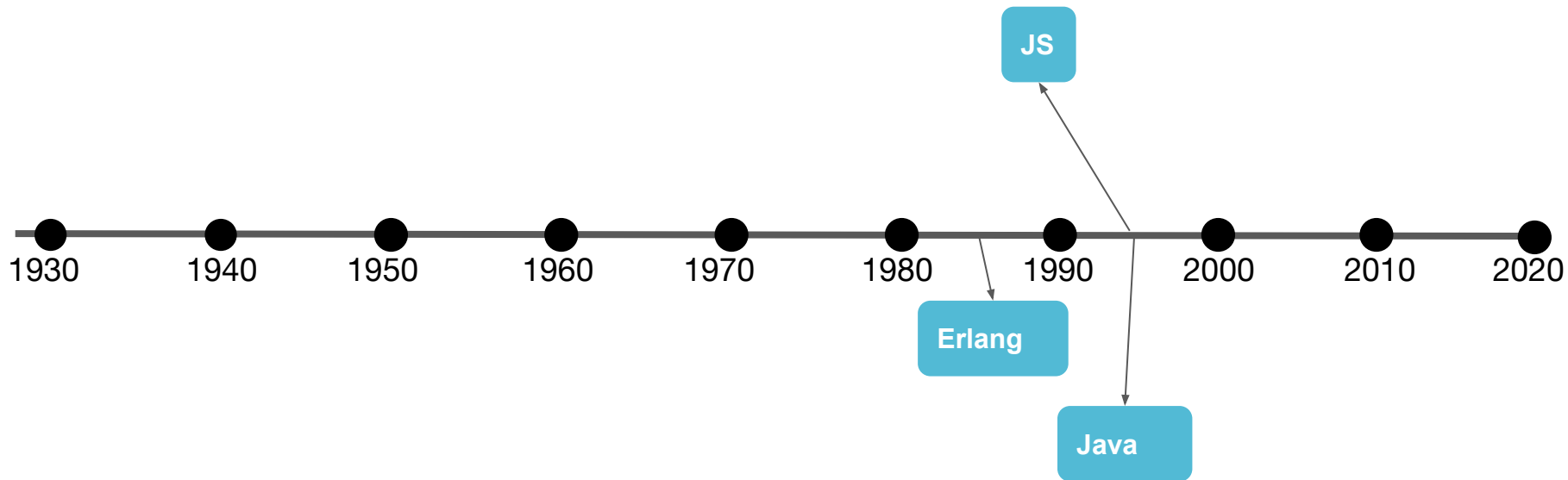
- **Syntax**
- The Web
- Evangelism

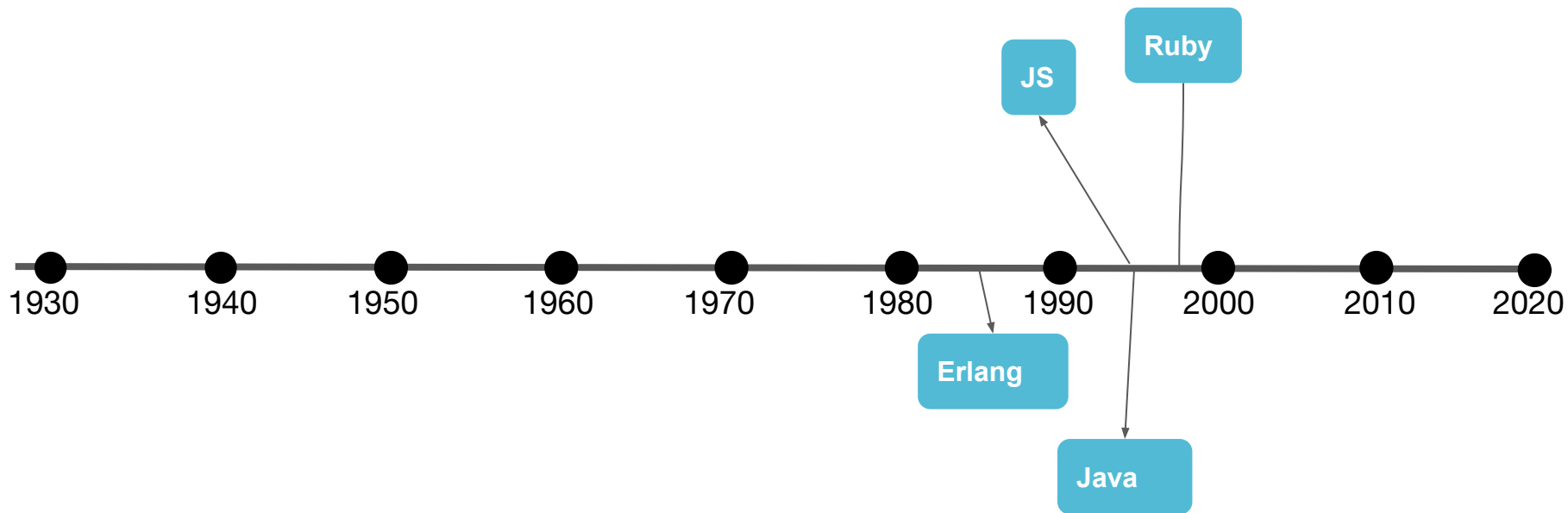
# Erlang x Elixir

- Syntax
- **The Web**
- Evangelism

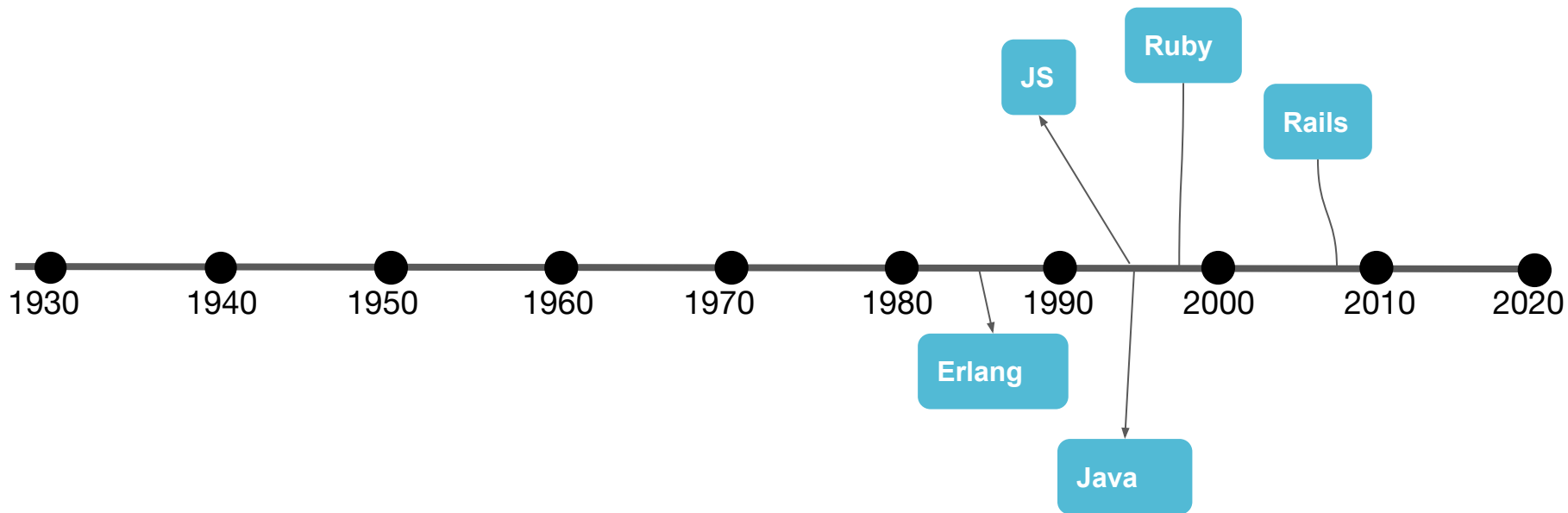












# Erlang x Elixir

- Syntax
- The Web
- **Evangelism**

*“The rise in popularity of the Internet and the need for non-interrupted availability of services has extended the class of problems that Erlang can solve.”*

Joe Armstrong

**Moving Forward**

*“Unpopular languages are niche languages”*

Meyerovich and Rabkin

# Moving Forward

- **Breadth vs Depth**
- Evangelism

# Breadth vs Depth

- Libraries (aka Gems)
- Domains

# Moving Forward

- Breadth vs Depth
- **Evangelism**



# Evangelism

- Marketing
- Consultation
- Fan Out

**Conclusion**

**Gracias!**

**Questions?**

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