What Is a Software Architect?

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Types of Architects

- Infrastructure Architect

- Software Architect

- Enterprise Architect

- Design the Infrastructure
  - Servers, VMs, Network, Storage, etc…
- Familiar with Requirements
- Career Path: Infrastructure Expert

- Works with Top Level Management
  - CEO, CIO
- Streamlines the IT to Support Business
- No Development-oriented Tasks
- Career Path: Senior Software Architect / Project Manager

Responsibility of the Architect

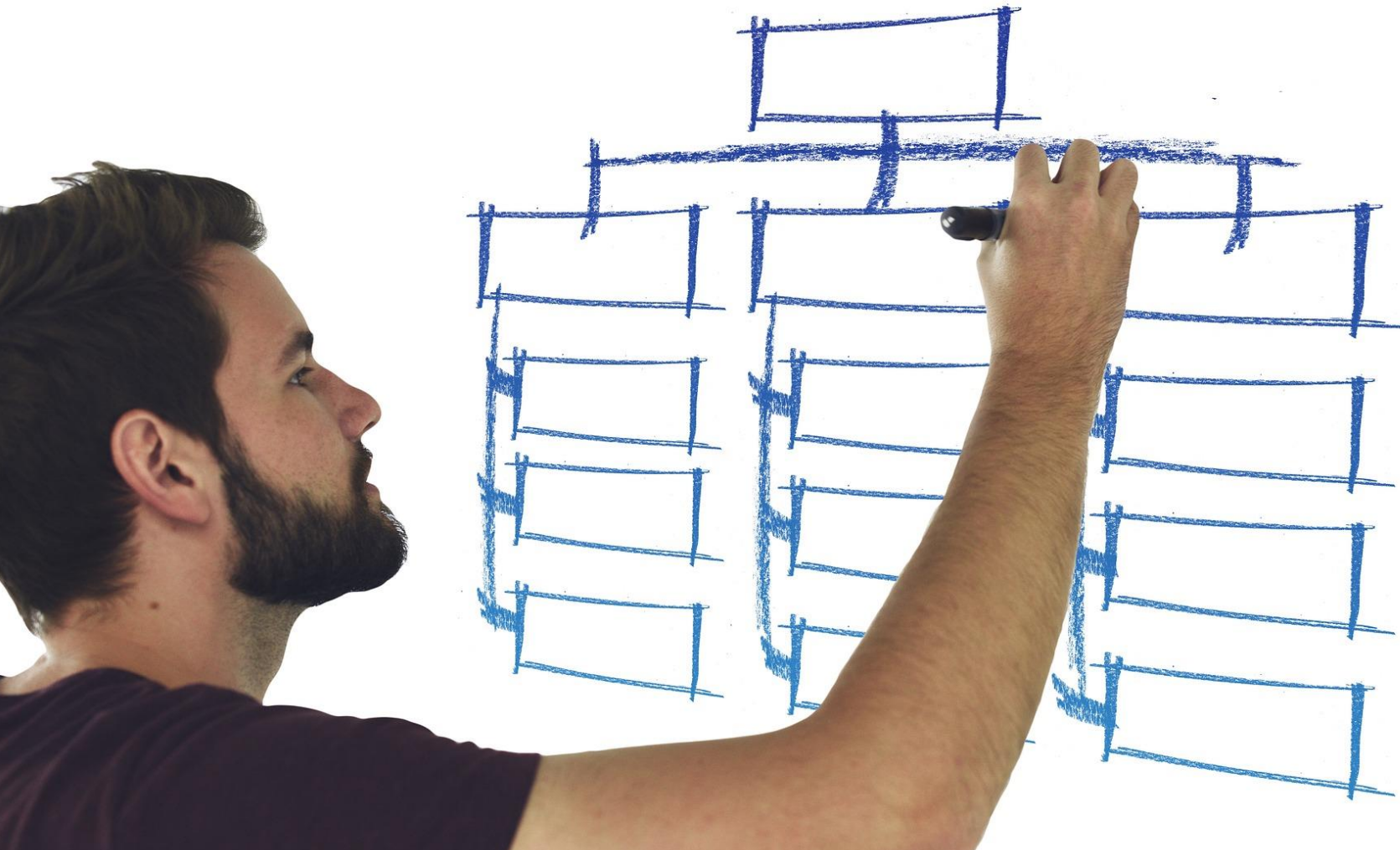" *Developer Knows What CAN Be Done*

Architect Knows What SHOULD Be Done
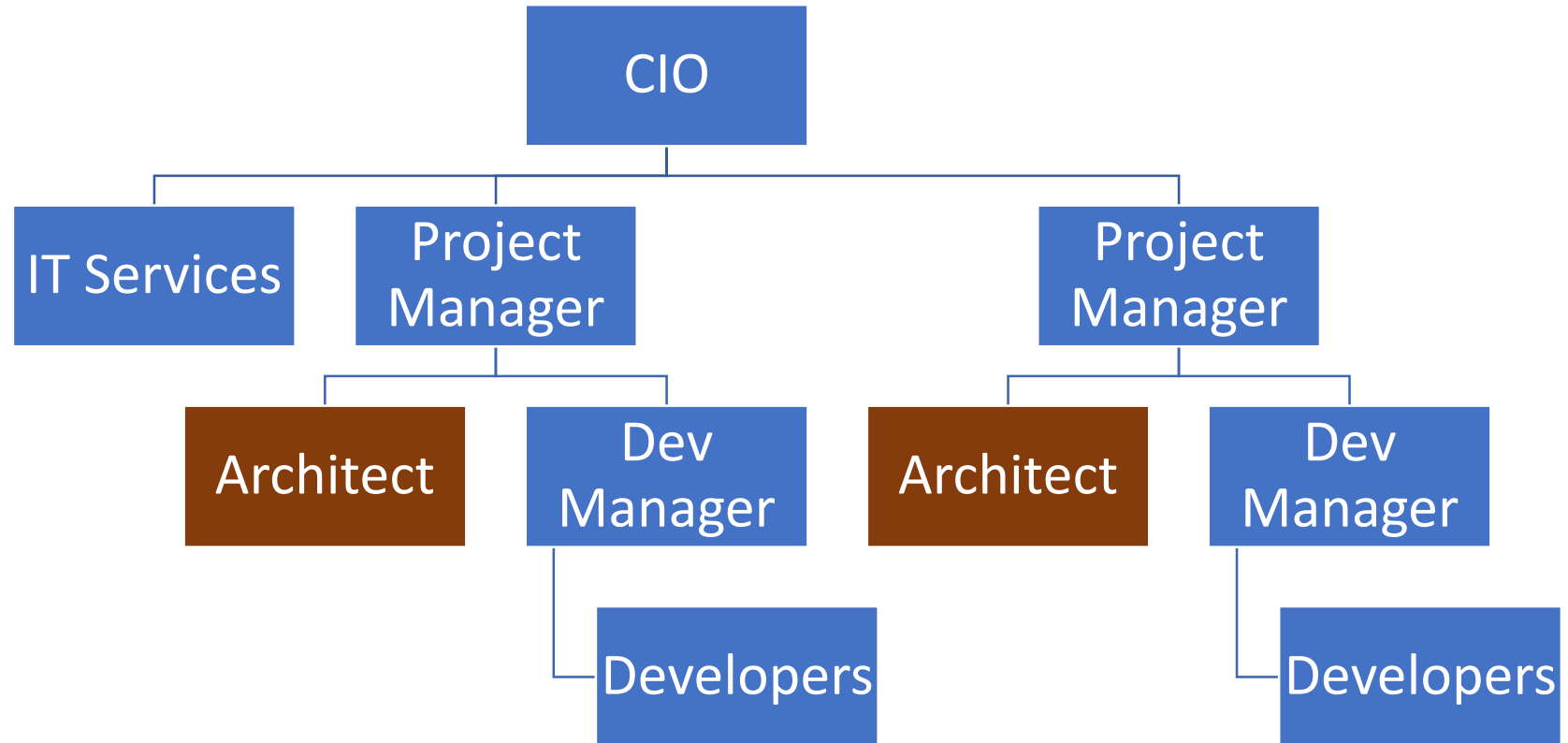
Responsibility of the Architect

Baseline Requirements:
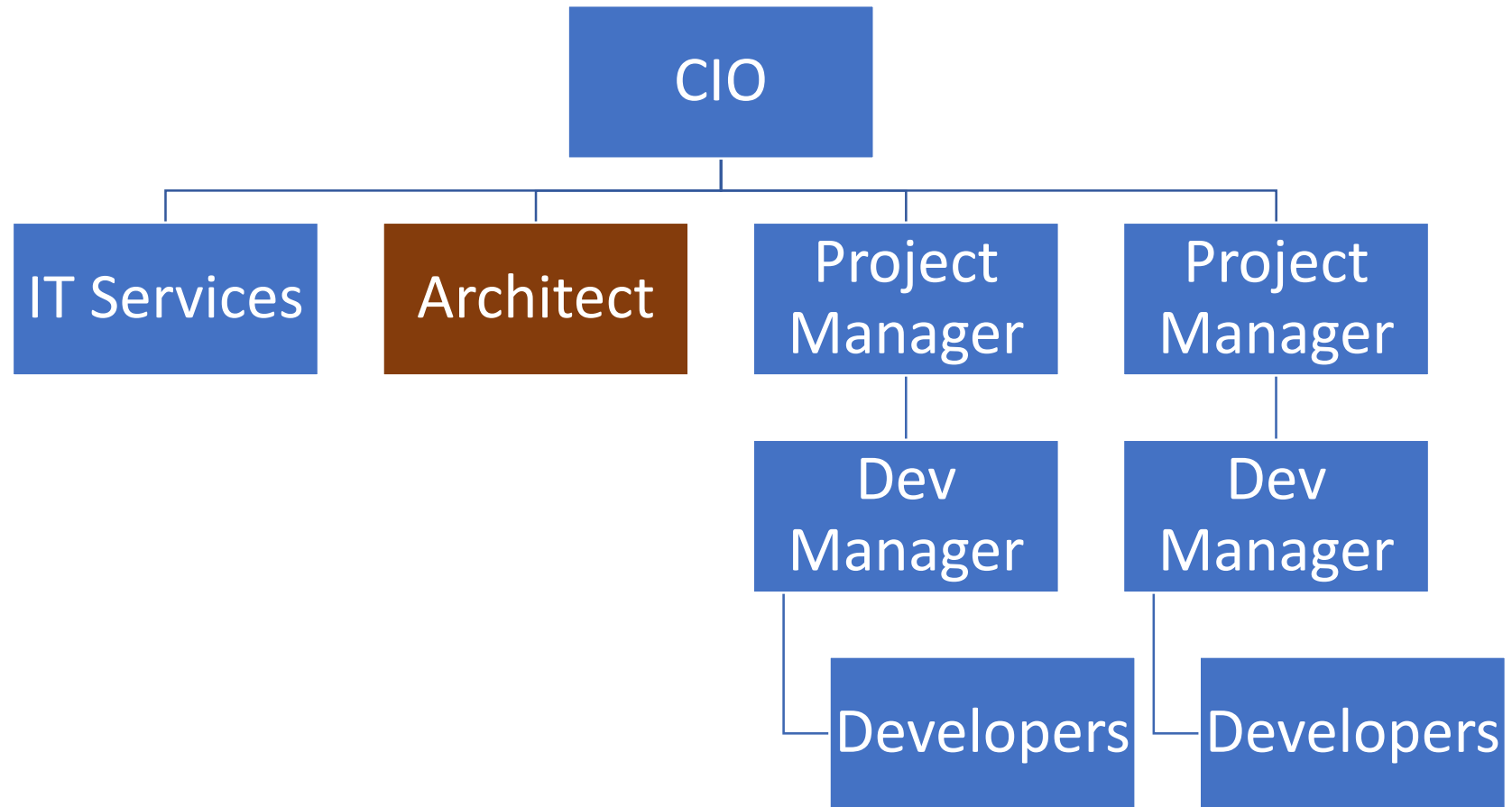
- Fast

- Secure

- Reliable

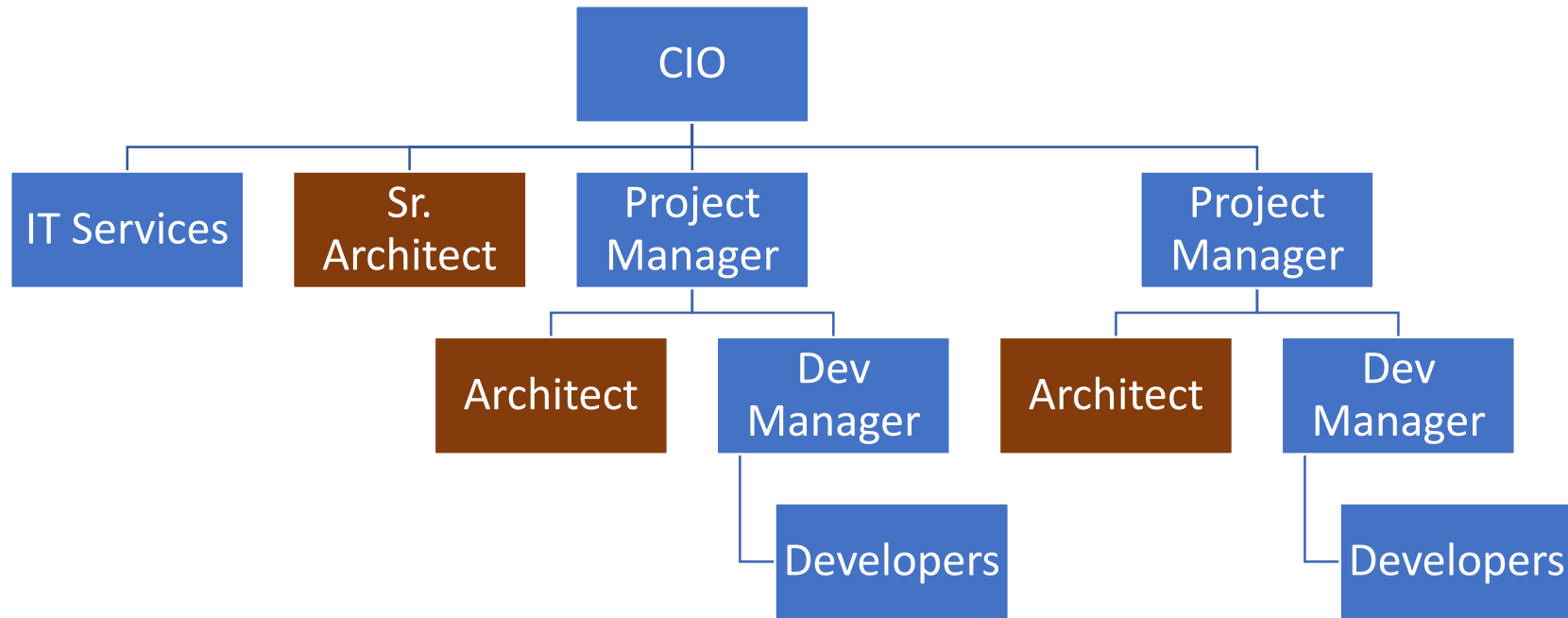- Easy To Maintain

The Architect in the Organization Chart

Organization Chart #1

Organization Chart #2

Organization Chart #1 & #2

Architects & Code

5 Reasons Architects Should Learn to Code

09:30 - 30 March, 2015 | by **Michael Kilkelly**

https://www.archdaily.com/613896/5-reasons-architects-should-learn-to-code

Architects Should Code: The Architect's Misconception

👍 **Like** | Posted by **Brandon Bryson** on Aug 06, 2015. Estimated reading time: 9 minutes | 21 **Discuss**

https://www.infoq.com/articles/architects-should-code-bryson

Should an architect code? If so, how much? 📶

Architecture > The Architect Role

https://social.msdn.microsoft.com/Forums/en-US/eecd370d-e16d-4a47-87b4-98e49af8a09a/should-an-architect-code-if-so-how-much?forum=architect

Why an Architect Should Code

1. Architecture's Trustworthiness

2. Support the Developers

3. Respect

Architects & the Academy

Architects & the Academy

- No dedicated degree for Architecture

- CS Degree won't hurt

- Some courses and certifications exist (TOGAF etc.)

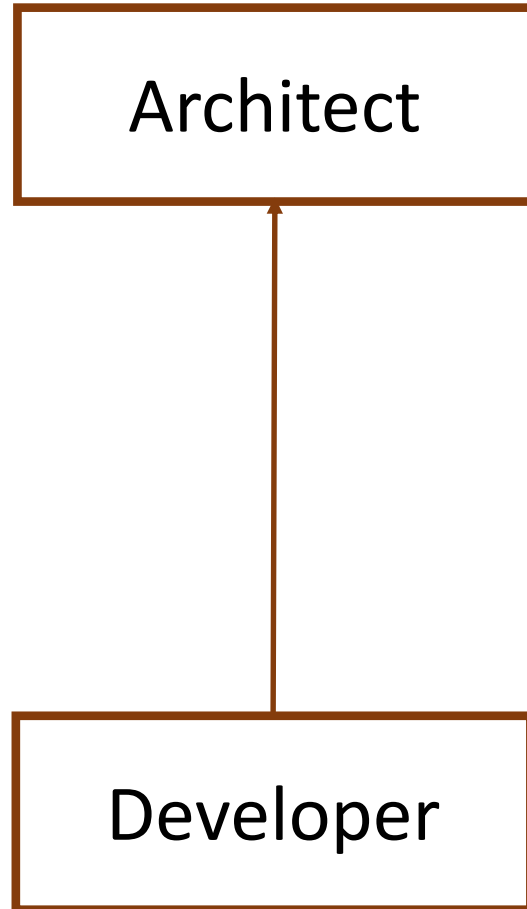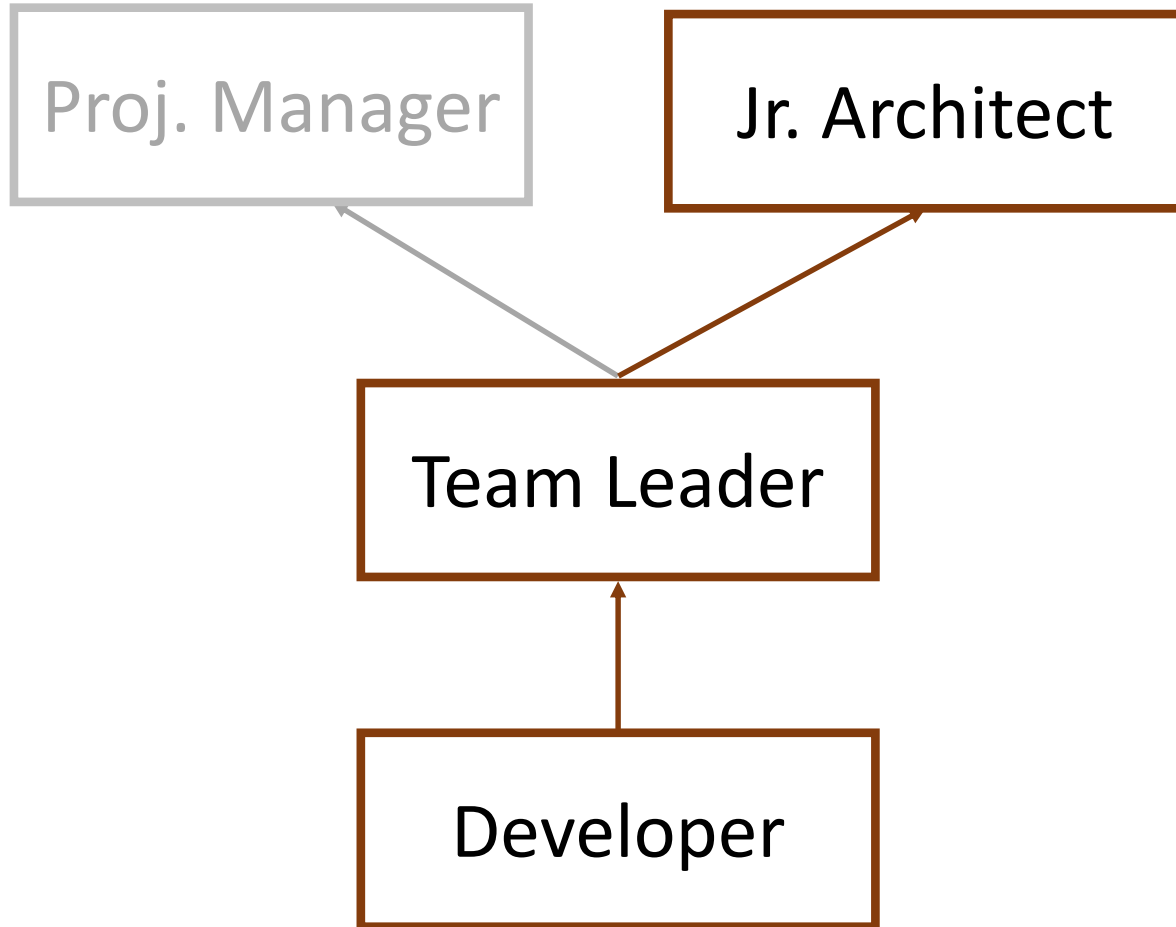 - Usually geared towards Enterprise Architecture

Career Path for Architect

Career Path #1

Architect

Developer

- >3 years of experience
- More common in small companies
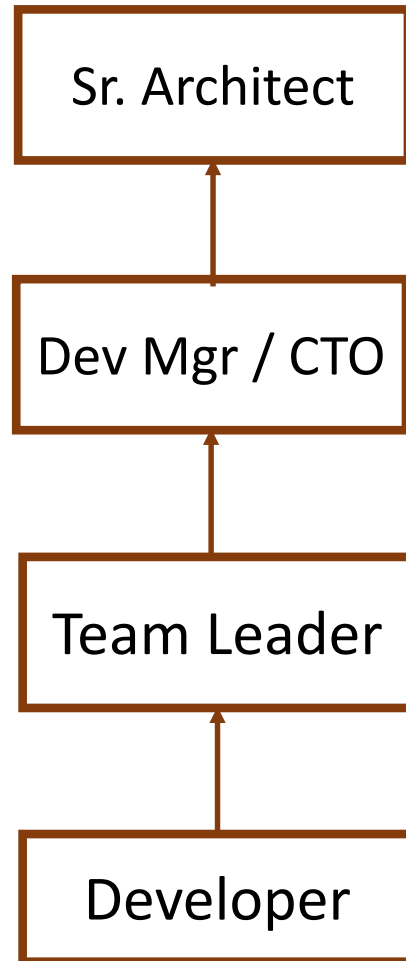
Career Path #2

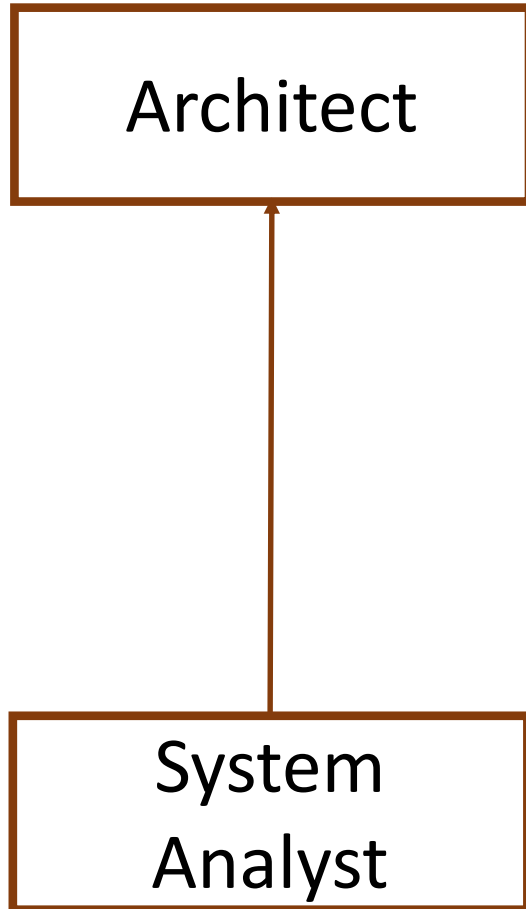- Very common path

Career Path #3

- Can Become Enterprise Architect

Career Path #4

- Lacks technical experience
- Requires mentoring