

# Product Architecting for Cross-Platform Development









































**JAN KRISTIAN BJERKE**

Grunt


















Make an impact



















# Assessment | Competitive Analysis

Country	Company	Criteria 1	Criteria 2	Strategic fit	Market cap
	Competitor 1				 120
	Client				 150
	Competitor 2				 200
	Competitor 3				 250
	Competitor 4				 175
	Competitor 5				 97
	Competitor 6				 112
	Competitor 7				 115

# Fortune Global 500 | Top 10 Table

Rank	Company	Country	Industry	Revenue in USD
1	 Walmart	 United States	Retail	 \$559.1
2	 国家电网 STATE GRID	 China	Energy	 \$386.6
3	 Amazon	 United States	Internet Services and Retailing	 \$386.0
4	 CNPC	 China	Petroleum	 \$283.9
5	 Sinopec Group	 China	Petroleum	 \$283.7
6	 Apple	 United States	Technology	 \$274.5
7	 CVS Health	 United States	Health care	 \$268.7
8	 UNITEDHEALTH GROUP	 United States	Health care	 \$257.1
9	 TOYOTA	 Japan	Automobiles	 \$256.7
10	 Volkswagen	 Germany	Automobiles	 \$253.9

# Weekly status meeting // Week 29

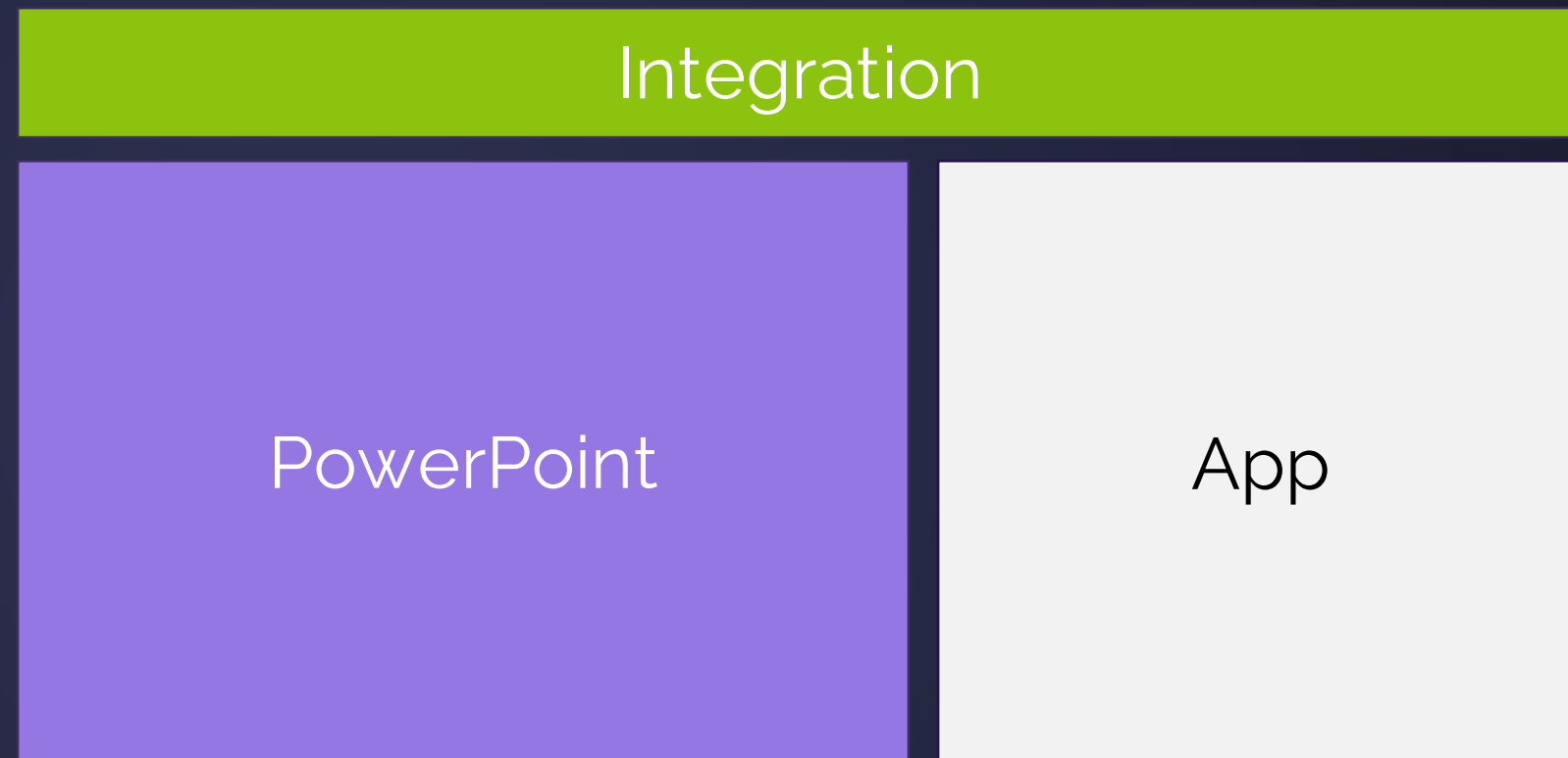
Category	Status	Project	Project owner	Progress	Comment
Develop	 On track	Revitalize program	 <i>Denny Bronson</i>	<div style="width: 75%;"><div style="background-color: #4a7ebb; height: 10px;"></div></div>	• Tracking along according to plan
	 On track	Develop the Academy	 <i>Jerry Thompson</i>	<div style="width: 0%;"><div style="background-color: #4a7ebb; height: 10px;"></div></div>	
	 Delayed	Conduct strategic planning	 <i>Vera Dire</i>	<div style="width: 25%;"><div style="background-color: #4a7ebb; height: 10px;"></div></div>	• Awaiting HR decision
	 On track	Establish competence practice	 <i>Bee Colbert</i>	<div style="width: 85%;"><div style="background-color: #4a7ebb; height: 10px;"></div></div>	• Currently on critical path
Expand	 Done	Expand succession planning	 <i>Kristeen Tyson</i>	<div style="width: 100%;"><div style="background-color: #4a7ebb; height: 10px;"></div></div>	
	 On track	Reinforce key learning steps	 <i>Charles Ramata</i>	<div style="width: 80%;"><div style="background-color: #4a7ebb; height: 10px;"></div></div>	
Implement	 Critical	Hardwire diversity	 <i>Les Adams</i>	<div style="width: 15%;"><div style="background-color: #4a7ebb; height: 10px;"></div></div>	• Supplier negotiation has stalled
	 Delayed	Improve communication	 <i>Glenna Jordan</i>	<div style="width: 60%;"><div style="background-color: #4a7ebb; height: 10px;"></div></div>	
	 Critical	Implement mentor program	 <i>Miracle London</i>	<div style="width: 10%;"><div style="background-color: #4a7ebb; height: 10px;"></div></div>	• Not enough qualified mentors

**PowerPoint has 650 million  
monthly active users**

# Simple plugin architecture

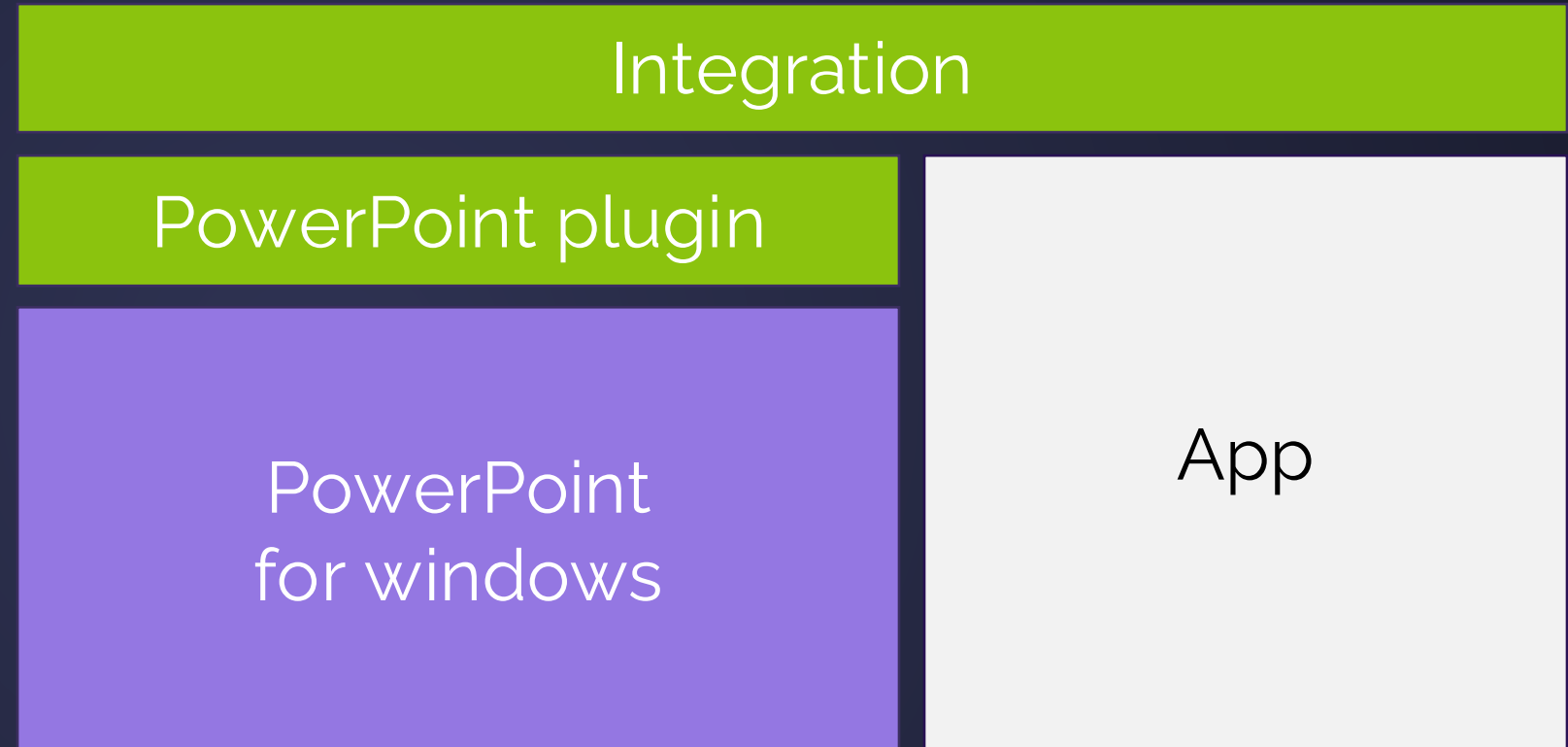


Thin  
integration  
layer

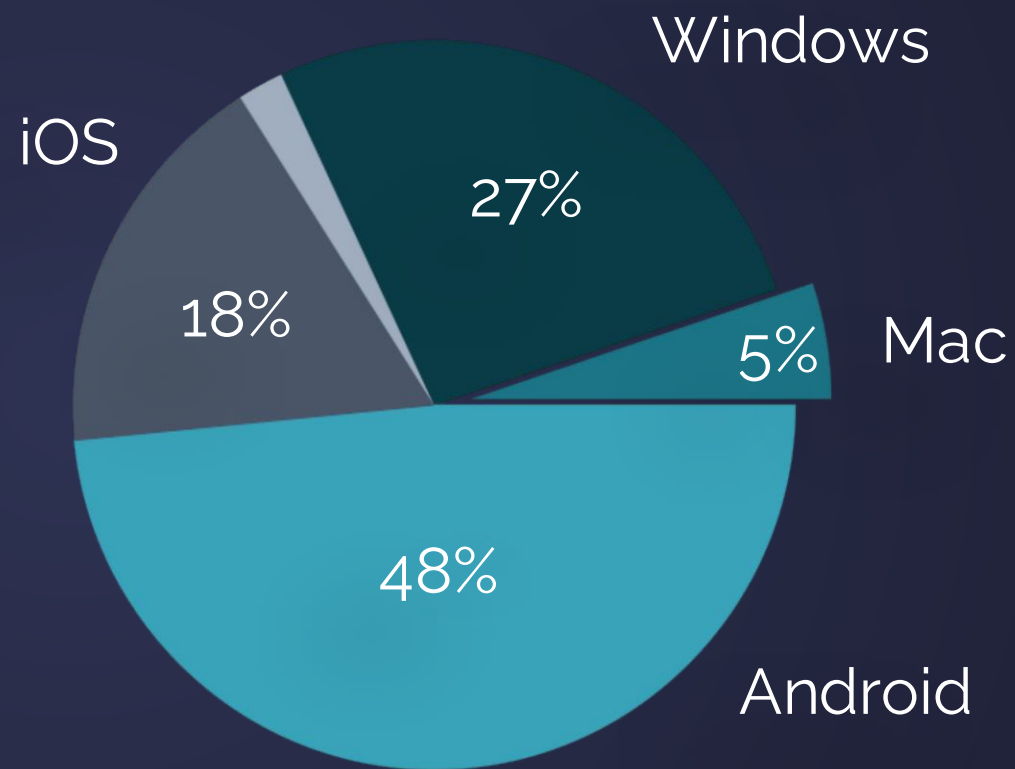




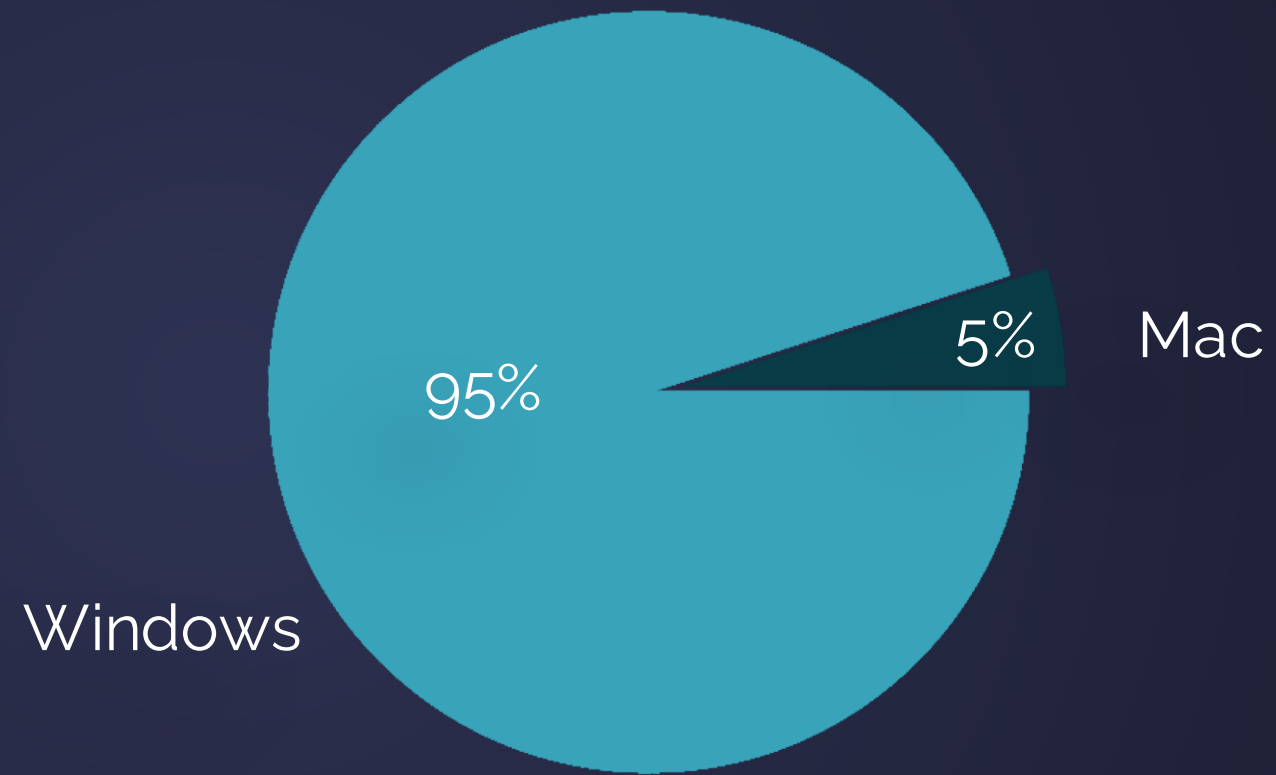
# Windows integration



# Market share globally



Our  
customer  
base



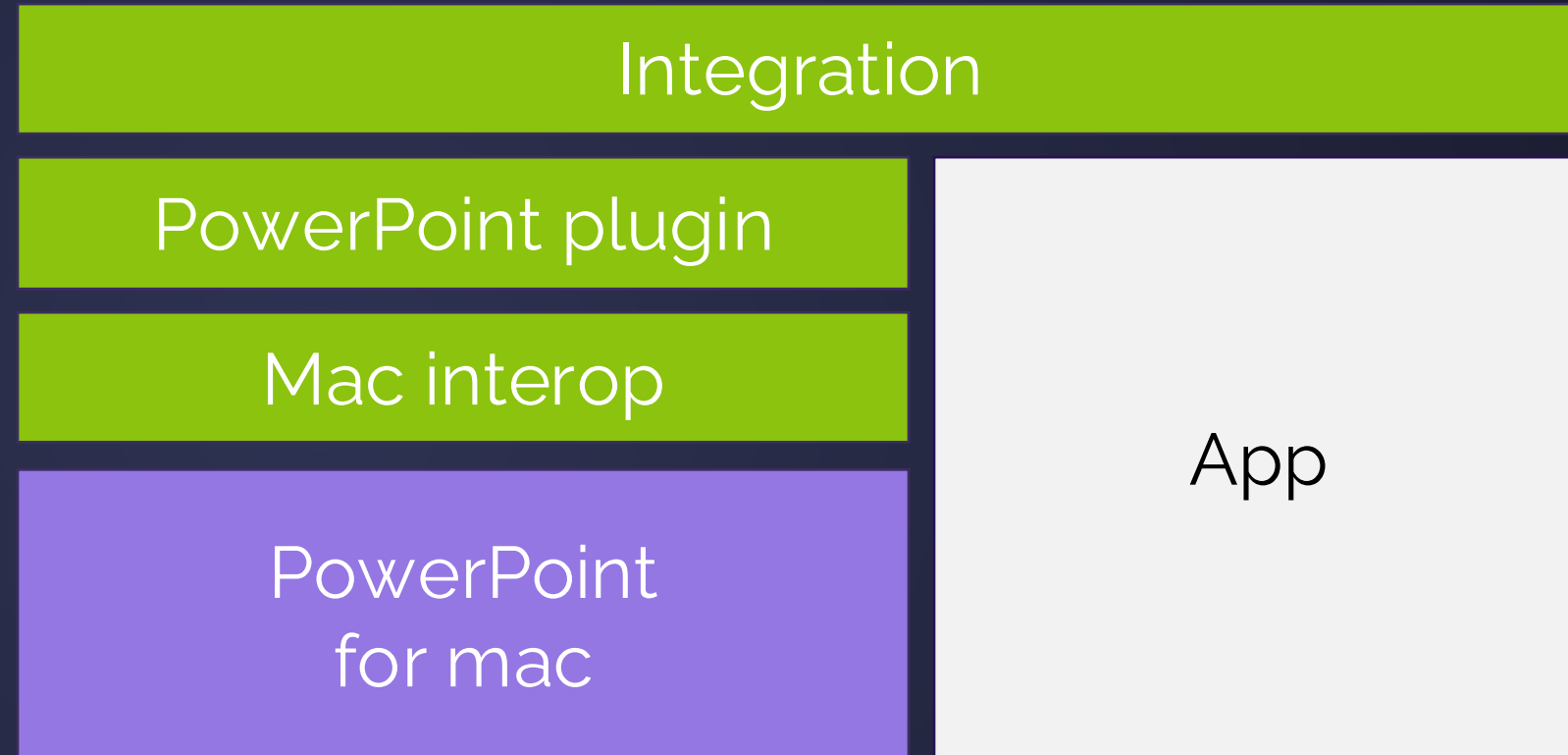
# 3 approaches to cross platform development

Multiple Codebases

Backend-Driven Functionality

Cross-Platform Framework

# Mac integration



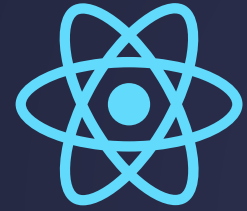
The UI  
framework



Avolonia UI

# Trends

## Frameworks



React Native



ELECTRON

## Web apps



**Cross-  
platform is  
simpler in the  
future**





# Take-aways

Take care to pick the right framework

Ensure a unified user experience across

Make sure to have test routines on all platforms

Thank you!

**Grunt.**

PowerPoint with superpowers

