

# Beginner's Guide to Oracle APEX

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March 2, 2021



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#### Safe harbor statement

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#### What is Oracle APEX?



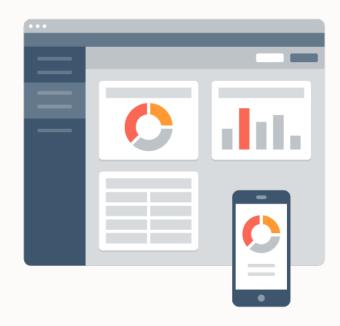


A **low-code** development platform that enables you to build scalable and secure enterprise apps with world-class features that can be deployed anywhere.



#### The Benefits of Low Code Frameworks

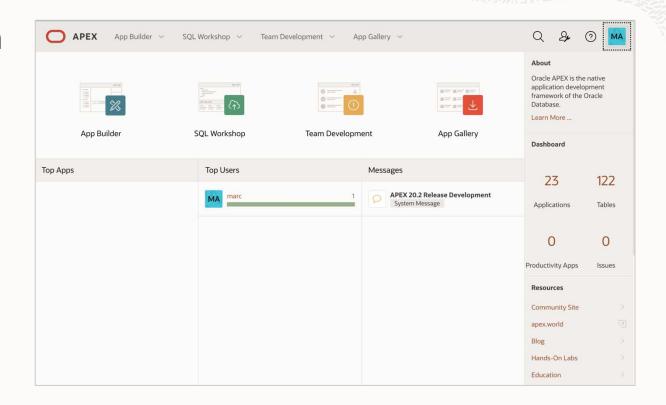
- Low barrier of entry
- Rich functionality
- High productivity (Less coding)
- Concentrate on business requirements
- Release apps faster with lower cost





#### What is Oracle APEX?

- All-inclusive, Low Code Application Development Platform
- Used to build apps that manage and visualize data
- Leverages SQL skills and Oracle Database capabilities
- Easy to learn, develop and deploy





## **Oracle APEX Application Development**

Low code framework enables a wider range of "developers" to unleash their creativity



Citizen Developer



LOB Developer



Pro Developer



**Data Scientists** 

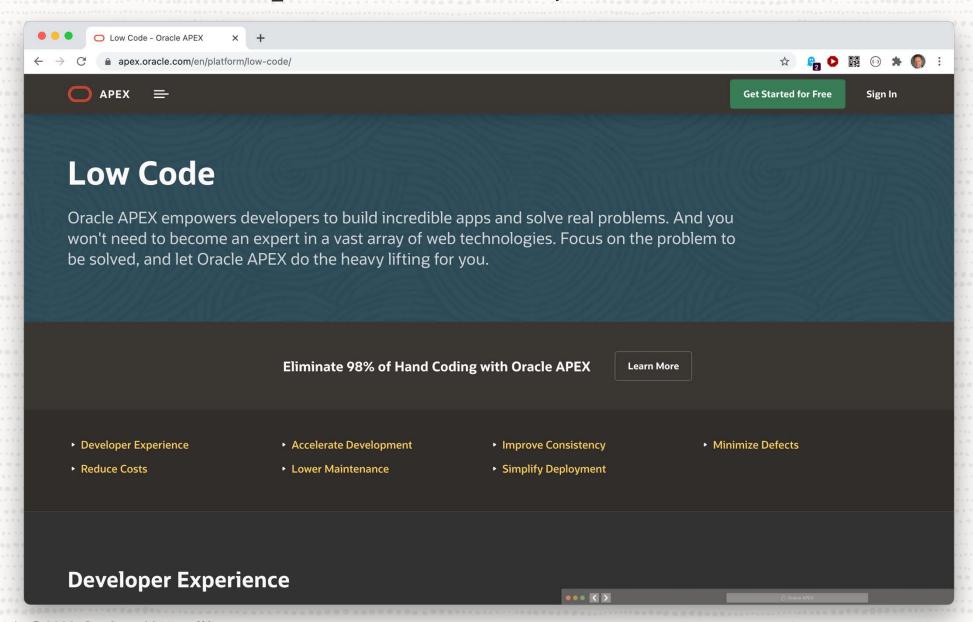
- Bespoke App Dev
- SaaS Extensions
- Spreadsheet Replacement
- Legacy Modernization
- Backoffice Apps
- Opportunistic AppDev

- LoB App Dev
- Process Automation
- SaaS Systems Development
- External Data Sharing
- Analytic Apps
- Personal Productivity Apps

- Digitization
- Mission Critical App Dev
- Mobile App Dev
- SaaS Systems Development
- Dashboarding
- Data Visualization

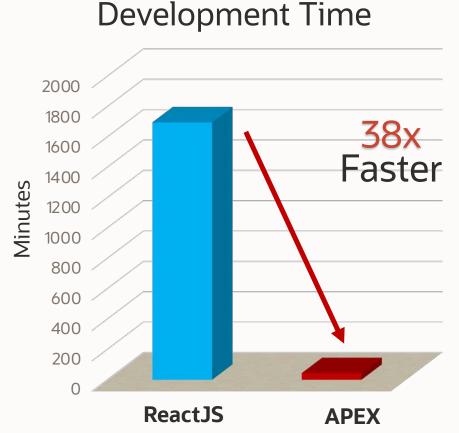
Create better solutions by leveraging a diverse combination of full time and part time developers

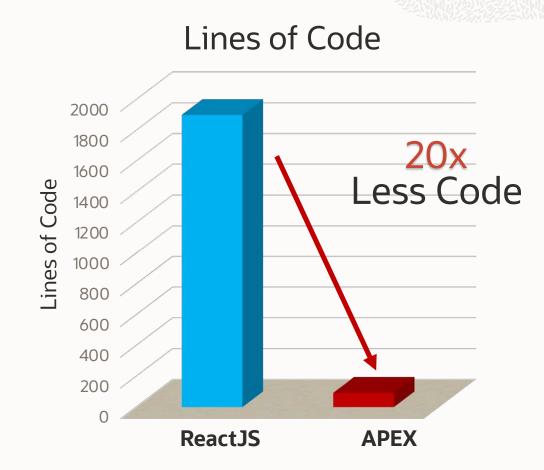
## apex.oracle.com/lowcode



#### **Radically Faster and Simpler App Development**

Time and Motion Study: ReactJS vs. Low-Code APEX





Most systems don't need to be hand coded, hand coding should be the exception not the rule



#### Time and Motion Study by Pique Solutions: Developing applications using APEX versus traditional development approaches

https://www.oracle.com/application-development/apex/solutions/low-code-development-platform/

Figure 7. Separate and Combined Summary Comparison of Time and Motion

interactive grid	APEX		JavaScript Framework (ReactJS)		APEX vs. JavaScript Framework			
	Time (min)	Lines of Code	Time (min)	Lines of Code	% faster	% less code	x faster	x less code
Setup/Preparation	21	0	246	365	91%	100%	11.71	
Module Development	14	0	1,373	1,592	99%	100%	98.07	
Additional/Solution Development	10	93	10	7	0%	-1229%	1.00	0.08
Totals	45	93	1,629	1,964	97%	95%	36.20	21.12
Totals (time in hours)	0.75		27.15					*

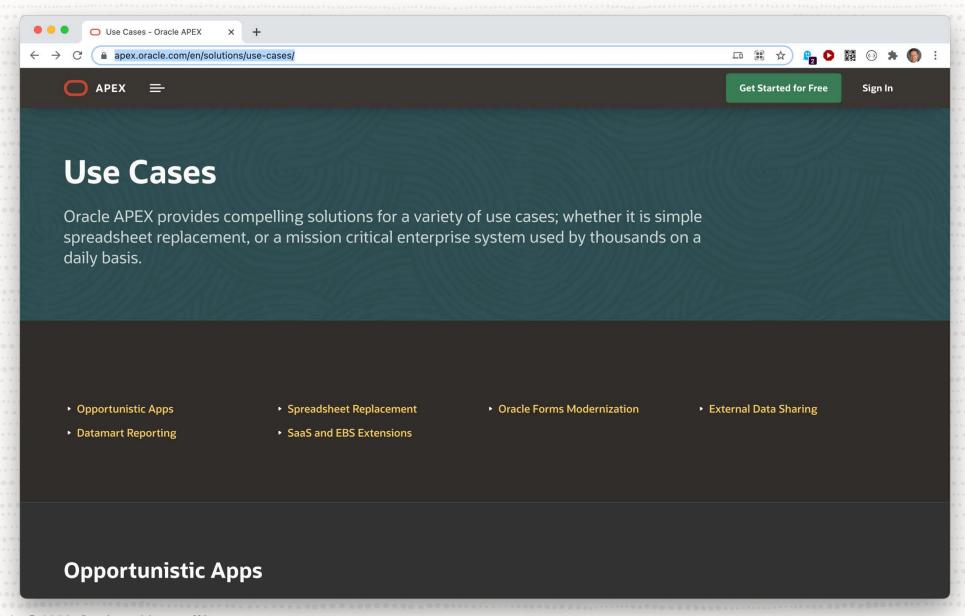
faceted search	APEX		JavaScript Framework (ReactJS)		APEX vs. JavaScript Framework				
	Time (min)	Lines of Code	Time (min)	Lines of Code	% faster	% less code	x faster	x less code	
Setup/Preparation	21	0	246	365	91%	100%	11.71		
Module Development	12	0	1,518	1,378	99%	100%	126.50		
Additional/Solution Development	10	93	10	7	0%	-1229%	1.00	0.08	
Totals	43	93	1,764	1,743	98%	95%	41.02	18.74	
Totals (time in hours)	0.72		29.40						

combined development*	APEX		JavaScript Framework (ReactJS)		APEX vs. JavaScript Framework			
	Time (min)	Lines of Code	Time (min)	Lines of Code	% faster	% less code	x faster	x less code
Setup/Preparation	21	0	246	365	91%	100%	11.71	
Module Development - FS	12	0	1,518	1,378	99%	100%	126.50	
Module Development - IG	14	0	1,373	1,592	99%	100%	98.07	
Additional/Solution Development	10	93	10	7	0%	-1229%	1.00	0.08
Totals	57	93	3,147	3,342	98%	97%	55.21	35.94
Totals (time in hours)	0.95		52.45		> 20		<u></u>	*

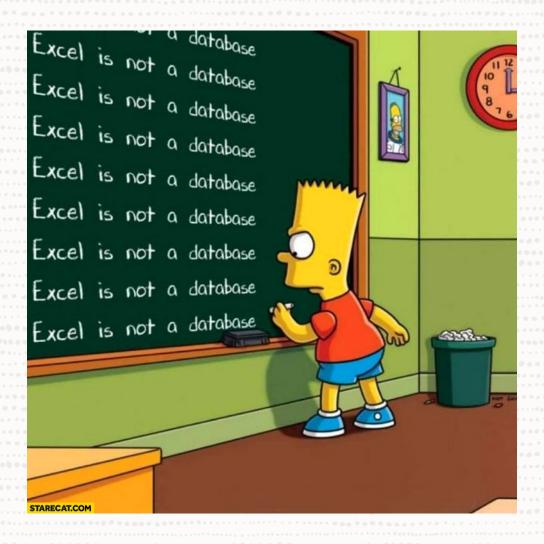
<sup>\*</sup>If both modules would have been built in a single cycle.



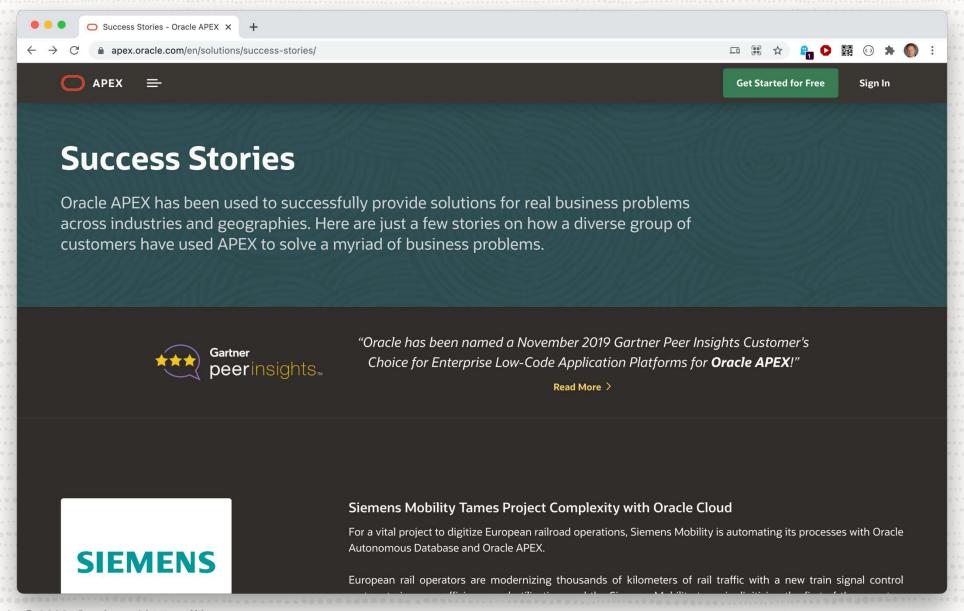
# apex.oracle.com/en/solutions/use-cases/



## Demo: Spreadsheet Replacement

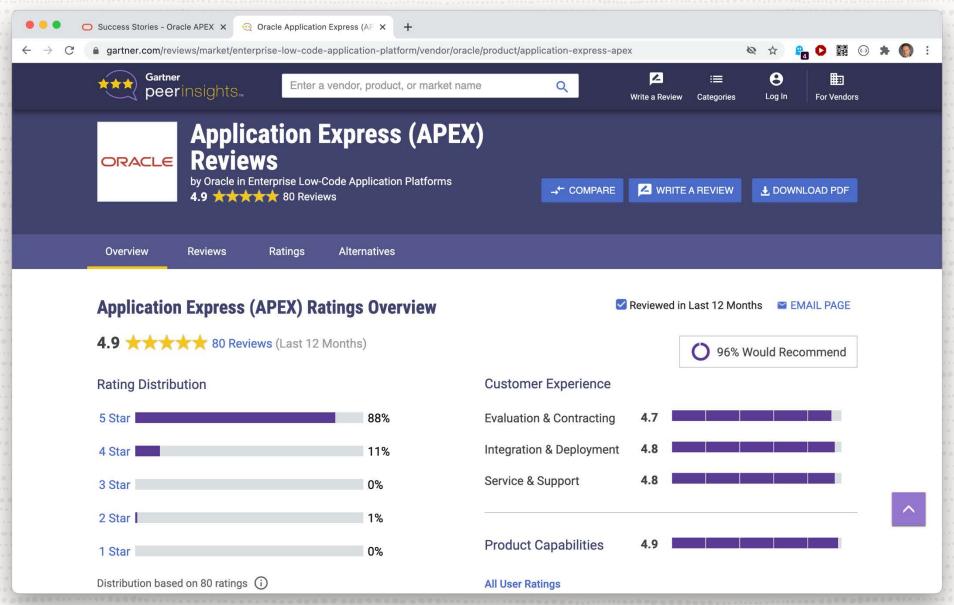


# apex.oracle.com/en/solutions/success-stories/



# Gartner Peer Insights Customer's Choice

https://www.gartner.com/reviews/market/enterprise-low-code-application-platform/vendor/oracle/product/application-express-apex



#### **Oracle APEX Adoption**

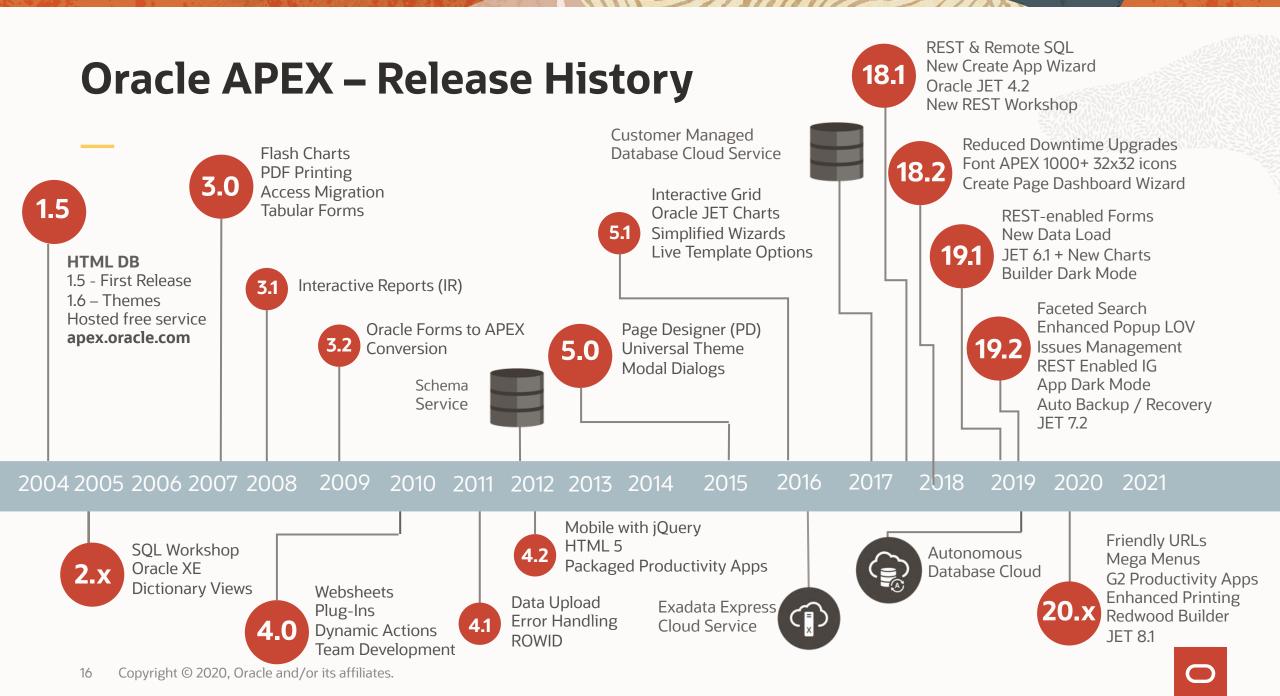
Distributed and Supported With Oracle Database On-Prem and In-Cloud since 2004

- 500,000 developers
- Millions of Apps created
- 6,000+ new apps every day
- 50,000 customers
- 150 partners



All APEX apps built since initial release are upward compatible

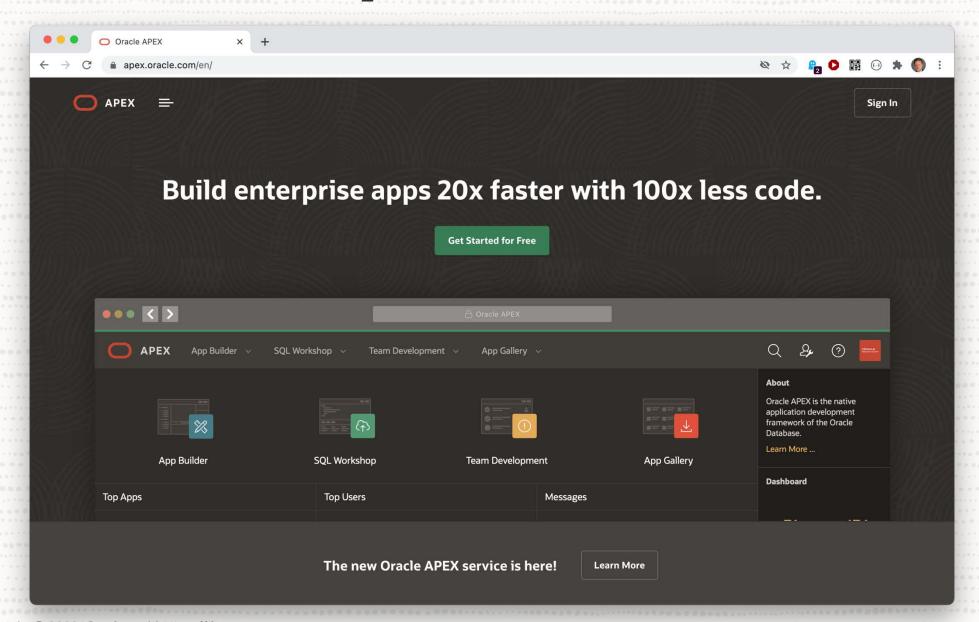




# **Getting Started**



# apex.oracle.com



## **Oracle APEX – Availability**

apex.oracle.com/en/learn/getting-started/

#### **Oracle Cloud**

Autonomous Database Serverless (ATP, ADW)\*

Autonomous Database Dedicated

APEX Application Development Service

Database Cloud Service (DBCS)

apex.oracle.com (free schema service)

### **On Premises**

Oracle Database XE (free database)

Oracle Enterprise Edition (and all other editions)

Oracle Exadata

# **Third Party Cloud**

Amazon RDS For Oracle Database

Any third-party Cloud / Hosting provider that supports Oracle DB



<sup>\*</sup> Available on Always Free Configuration

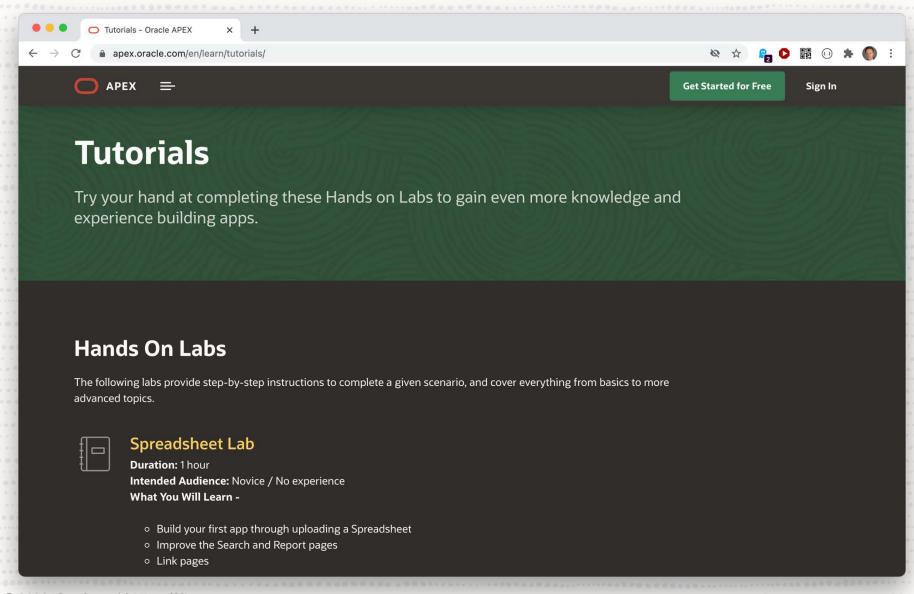
# **Demo**



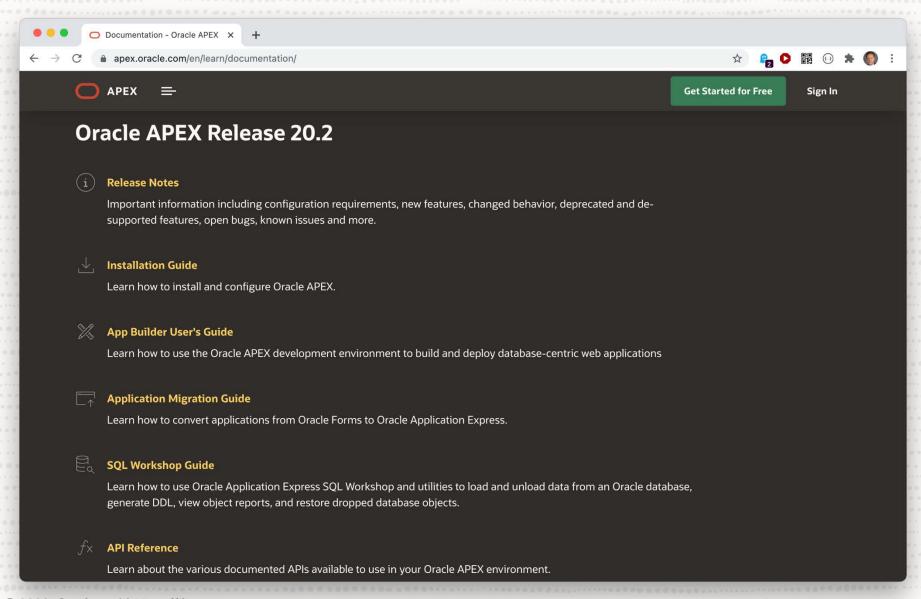
# **Learn More**



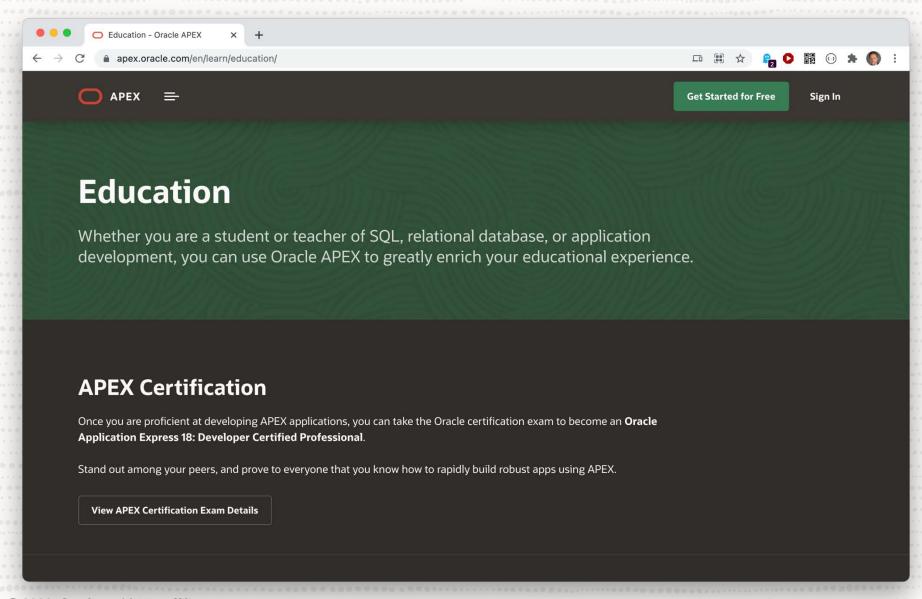
# apex.oracle.com/en/learn/tutorials/



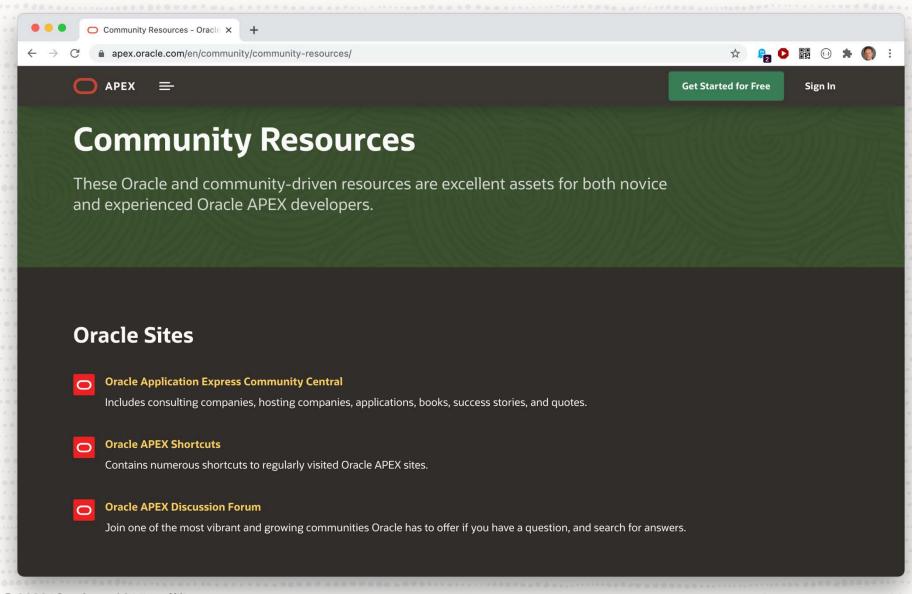
# apex.oracle.com/en/learn/documentation/



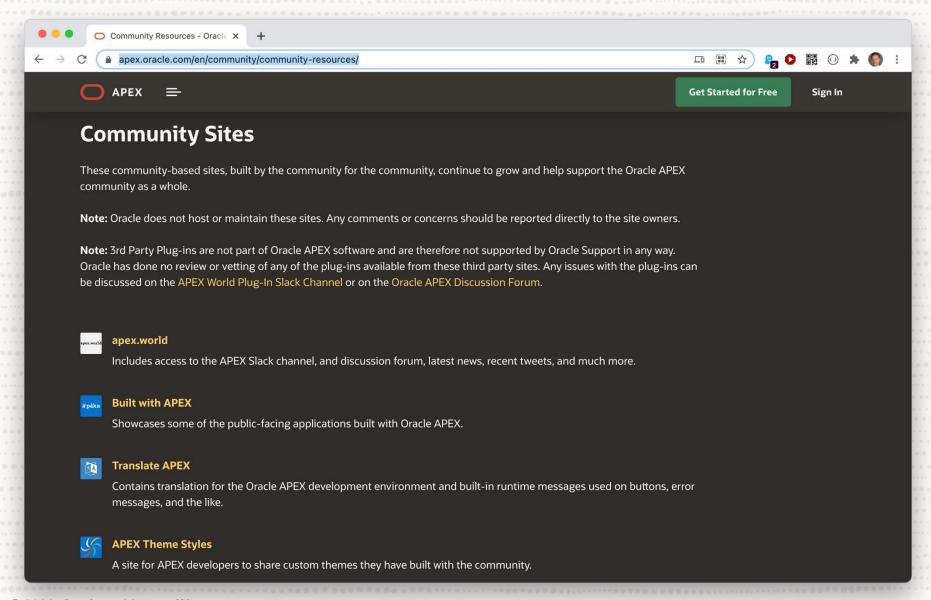
## apex.oracle.com/en/learn/education/



# apex.oracle.com/en/community/community-resources/



# apex.oracle.com/en/community/community-resources/



#### **APEX Office Hours**

# apex.oracle.com/officehours

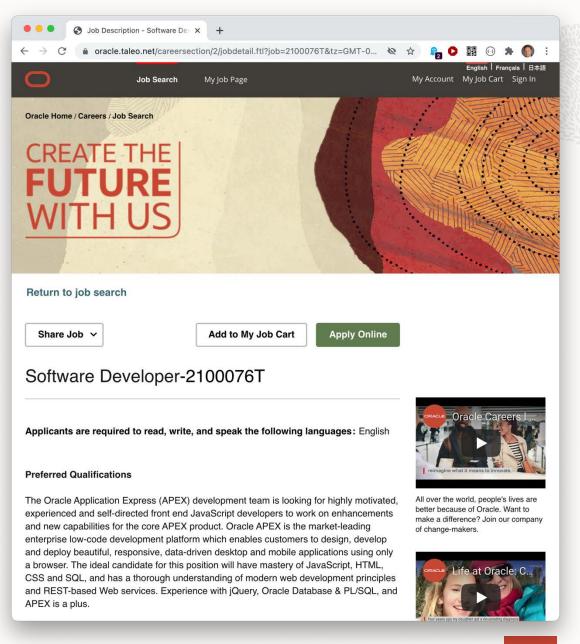
- Feb-18 Real-world Low Code: Four partners show how they deliver solutions using Oracle APEX!
   https://asktom.oracle.com/pls/apex/asktom.search?oh=11485
- Nov-19 Super Easy Report Printing in Oracle APEX 20.2! <a href="https://asktom.oracle.com/pls/apex/asktom.search?oh=10265">https://asktom.oracle.com/pls/apex/asktom.search?oh=10265</a>
- Oct-22 What's new in APEX 20.2 <a href="https://asktom.oracle.com/pls/apex/asktom.search?oh=9824">https://asktom.oracle.com/pls/apex/asktom.search?oh=9824</a>



#### **Oracle APEX Jobs**

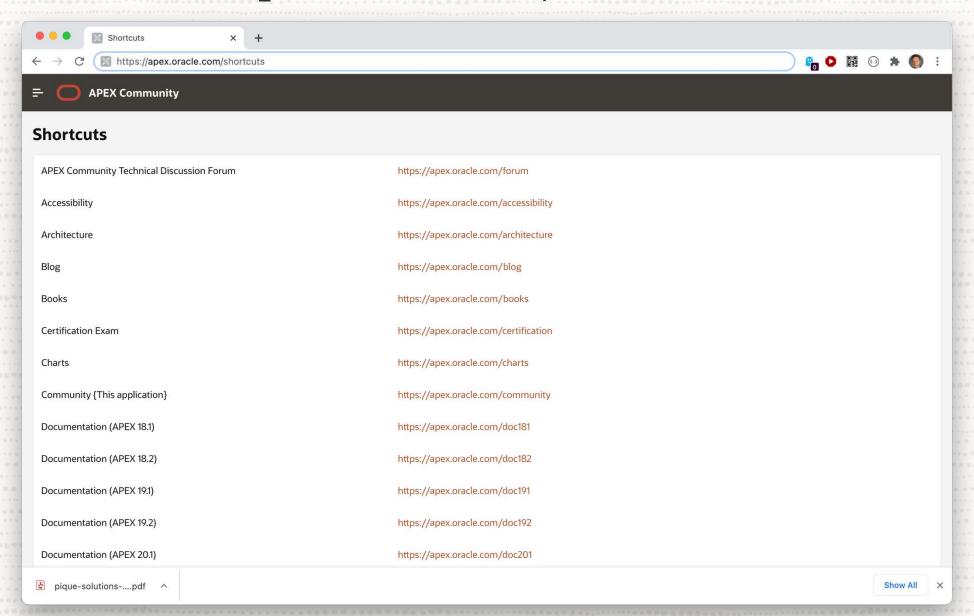
https://www.oracle.com/corporate/careers/

Software Developer (JavaScript) 2100076T





# apex.oracle.com/shortcuts





# apex.oracle.com/go/graphics



# Q&A

