

Technology Features Comparison

Build system

	Prior knowledge	Dependency resolution	Learning Curve	Plugins	Integration with CI	Integration with Deployment	Code Complexity
Maven	0	Yes	5	7	Yes	Yes	6
Ant	0	No	3	4	Yes	Yes	4
Ant + Ivy	0	Yes	2	6	Yes	Yes	5
Gradle	10	Yes	8	10	Yes	Extremely easy	9

Key:
1 = Low or Bad
10 = High or Good

Client Build

	Prior Knowledge	Dependency resolution	Learning Curve	Plugins	Code Complexity	Speed
Gulp	10	Yes	9	10	9	10
Grunt	5	Yes	8	10	7	8

CI

	Prior Knowledge	PaaS	Private Repo	Heroku Deploy	Easy of use	Maintenance	Cost
TravisCI	10	Yes	Yes	Yes	10	10	Free
CircleCI	2	Yes	Yes	Yes	10	10	Free
Jenkins	5	No	Yes	Yes	5	3	Free
GitlabCI	0	No	Yes	Yes	7	3	Free

Deployment

	Prior Knowledge	Shell	Database Support	Fast deployment	Full Control	Maintenance	Cost
Heroku	10	No	Add-On	10	No	10	Free (For small/Dev projects)
AWS	0	Yes	Native	5	Yes	4	Free for education/trial
Azure	0	Yes	Native	5	Yes	4	Free - Very Limited
Digital Ocean	10	Yes	Native	7(Droplets)	Yes	6	Paid (Github dev pack gives credit)

Back End Languages

	Support	Prototyping	Library Availability	Familiarity	Visual Language Support
Python	Highly supported	Allows for rapid prototyping	High supply of libraries	High	None
Java	Highly supported	Allows for prototyping but is slower	High supply of libraries	High	Yes

Web tech									
	Support	Library Availability	Familiarity	Advantages					
Java servlets	Highly supported	High supply of libraries	High and a small learning curve if already familiar with Java	Works well with native Java and the SoGaCo platform					
PHP	Highly supported	Some supply of libraries	Some, a steep learning curve is required	Easy to deploy and documentation is excellent					
Flask	Highly supported	Some supply of libraries	Some, and a small learning curve if already familiar with Python	Lightweight framework which can assume heavier roles with plugins and is easier to develop on					

Visual Language Choice

	Layout	Native Web Integration	Compile to other languages	Learning curve	Cost	Ease of use	Code Complexity	Scalability	
Blockly	Puzzle	Yes	Many	8	Free	8	8**	9	
Scratch	Puzzle	Unknown	Squeak	7	Free	8	8**	5	
Yahoo Pipes	Pipes	Unknown	JSON	5	Free	6	5	6	
VPL	Pipes	Unknown	C#	5	Free	6	6	5	

User Interface Animation

	Getting started	Developer productivity	Prior Knowledge	Skills in team	Licenses				
AngularJS	7	8	5	6	MIT				
BackboneJS	2	3	0	3	MIT				
EmberJS	4	1	0	3	MIT				