Key

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- Experience (blue)
- Next Steps (green)
- Resources (purple)

Pre-Requisites
HTML
Awareness of XML
CSS
JavaScript
Domino Object Model

Training has been undertaken
Mentoring possibly in place
Getting familiar with tooling

Start with simple application, possibly read only
Regularly look in source pane

Install plugins in Domino Designer
Comfortable with properties, events and scoped variables
Using Custom error pages
Handling validation
Getting comfortable with SSJS (not Java developers)

Work mainly in source pane
Consider using "loaded" more
Consider using themes

Consider more complex layouts with Repeat Controls then nested repeats
Use fewer @Formulas
Use java.util collections (HashMap, ArrayList etc)
Consider using source control

Using a wide variety of original and Extension Library controls
Comfortable with multiple dominoDocuments on page
Comfortable with Repeat Controls
Using compositeData

Starting to read stack traces
Starting to understand page lifecycles
Programmatically accessing properties of controls
Heavily using themes
Editable mobile XPages apps

Use Custom language
Add a PhaseListener where required to understand lifecycle
Use execMode as appropriate
Look at persistence Xsp properties
Look at dataContexts

Getting comfortable with basic Java / using lots of JavaScript
Comfortable with SSJS syntaxes
Using third-party Java in SSJS

Consider other JavaScript frameworks (front-end devs)
Start using managed beans
Use Java utility classes
Use a getDataDb() method

Using Java more
Using Java debugger

Use Validators, Converters, DataObjects, ValueChangeListeners
Look at BigDecimal for numbers
Look at controller classes

Comfortable with Java

Use MVC architecture
Develop code in plugins – reusable classes, controls

Develop custom servlets for REST access
Consider Graph design
Consider Vaadin / OsgiWorlds / CrossWorlds

OpenNTF Projects
XPages OpenLog Logger
XPages Debug Toolbar
XPages Log Reader
OpenNTF Essentials

Websites
http://openntf.org
http://openntf.org/xsnippets.nsf

Software
SourceTree
GitHub or other Source Control Repository

Resources
"Mapping Java Collections" on http://www.intec.co.uk/blog
NotesIn9 140
SourceTree Deepdive

Books
XPages Portable Command Guide

OpenNTF Projects
XPages Toolbox
Bootstrap4XPages

Non-XPages Projects
jQuery
FontAwesome

Java Projects
Apache POI
Apache StringUtils

Books
Head First Java

OpenNTF Projects
OpenNTF Domino API

Look at Code
XPages Help Application
XPages OpenLog Logger
OpenNTF Domino API
Extension Library

Software
Eclipse

OpenNTF Projects
XPages Scaffolding
XPages SDK / Debug Plugin
XPages Starter Kit

Books
Mastering XPages 2nd Ed
XPages Extension Library

Websites
http://xpages.info
http://notesin9.com (see http://www.mindmeister.com/280533435/notesin9)
http://stackoverflow.com