# XPages Developer Professional Development Roadmap

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

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

Getting comfortable 5 with basic Java / using lots of JavaScript Comfortable with SSJS syntaxes Using third-party Java in SSJS



**Pre-Requisites** 

HTML Awareness of XML CSS JavaScript Domino Object Model

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)

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

Using Java more Using Java debugger

Start with simple application or feature in existing application, preferably read only Identify requirements with clear scope and non-demanding stakeholders Regularly look in source pane

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

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

Use MVC architecture Develop code in plugins reusable classes, controls

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

(4) Use Custom language Add a PhaseListener where required to understand lifecycle Use execMode as appropriate Look at persistence and other Xsp properties Look at other performance settings, as appropriate Look at dataContexts

Use Validators. Converters, DataObjects, ValueChangeListeners Look at BigDecimal for numbers Look at controller classes Develop custom servlets for REST access Consider Graph design Consider Vaadin / OsgiWorlds / CrossWorlds

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# Key

Experience **Next Steps** Resources

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### **Training Courses / Mentoring**

Business Partner training, e.g. Intec Systems Ltd, TLCC Training (self-paced / instructor-led) Intec Systems Ltd mentoring package

#### **Books**

Mastering XPages 2<sup>nd</sup> Ed XPages Extension Library (Throughout XPages career)

#### Websites

http://xpages.info http://notesin9.com see http://www.mindmeister.com/280533435/notesin9) http://stackoverflow.com (Throughout XPages career)

(2)

### **OpenNTF Projects**

XPages OpenLog Logger XPages Debug Toolbar XPages Log Reader OpenNTF Essentials

#### Websites

http://openntf.org http://openntf.org/xsnippets.nsf (3)

#### Software

SourceTree GitHub or other Source Control Repository Resources

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

(4)

#### **Books**

XPages Portable Command Guide

# **OpenNTF Projects**

XPages Toolbox Bootstrap4XPages **Non-XPages Projects** 

jQuery FontAwesome

(5)

### Java Projects

Apache POI (Excel/Word/PDF)
Apache StringUtils

# **Books / Training**

Head First Java
Business Partner Training, e.g.
Intec Systems Ltd, TLCC

(6)

# **OpenNTF Projects**

OpenNTF Domino API

#### Look at Code

XPages Help Application XPages OpenLog Logger OpenNTF Domino API Extension Library

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#### Software

Eclipse

### **OpenNTF Projects**

XPages Scaffolding
XPages SDK
Debug Plugin (part of XPages SDK project)
XPages Starter Kit