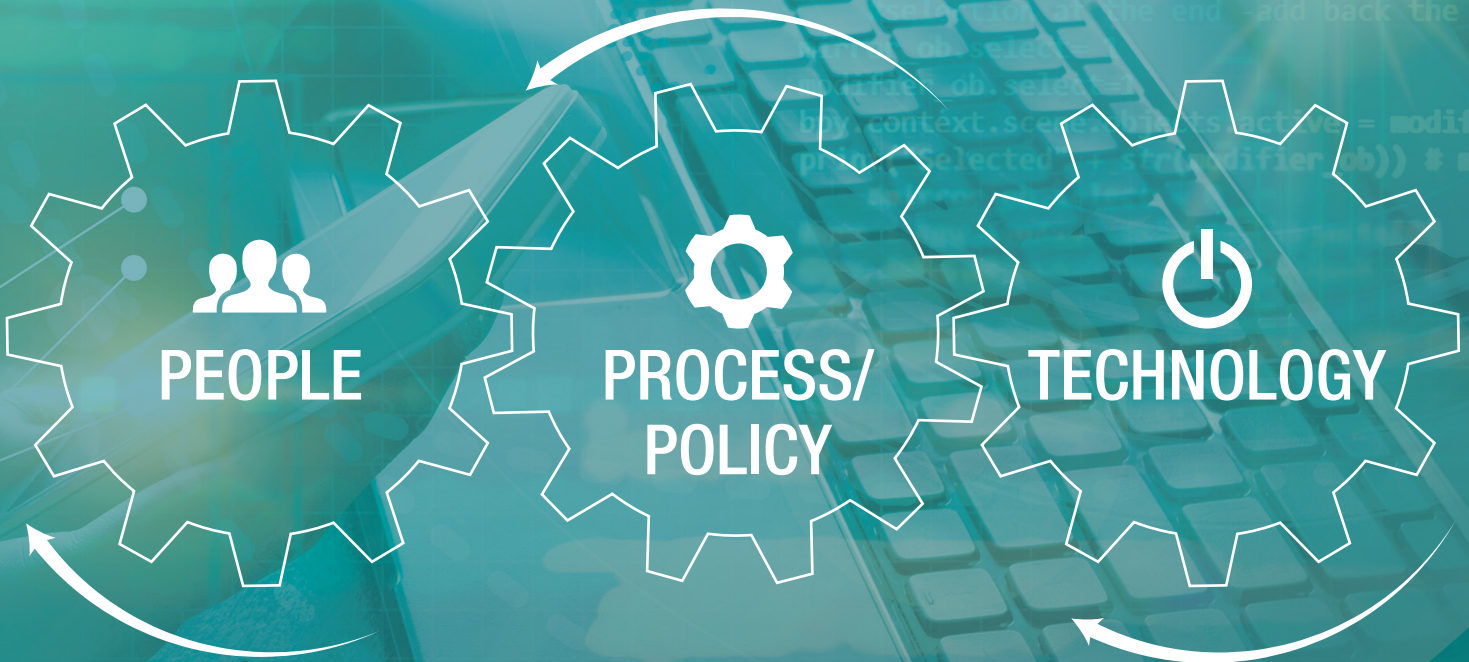




# LEARN AND LEAD WITH PROGRAMMING LANGUAGES

By Creating Alignment Between People, Organizational Processes & Technology



**A Holistic Approach to Optimize Your Workforce**

[Learn more](#)

**Comprehensive Programming Curriculum**

[Learn more](#)

**High-Performance Training & Implementation Solutions**

[Learn more](#)



# INCREASE EFFICIENCY. IMPROVE EXPERIENCES. SOLVE PROBLEMS.

JAVA, .NET, PERL, PYTHON, C++: WE SPEAK EVERY LANGUAGE.

**35%**

The amount ESPN's revenues jumped after they listened to their community and incorporated suggestions into their homepage design.

– Mindtouch

**\$2.6 Billion**

How much sales retailers lose each year from slow-loading websites.

– Qubit

**3/4**

(450 out of 600)

Number of software development professionals who lack confidence that their projects will succeed.

– Geneca



## TOP 5 PROGRAMMING CHALLENGES:

1. Lack of experience working effectively in a team environment
2. Development processes that can't cope with unclear or changing requirements
3. Fail to take advantage of, or unaware of, refactoring techniques
4. Lack of tools that support development processes
5. Deficiencies in cross-functional skills

## Optimize Your Programming Workforce by Creating Alignment Between People, Processes & Technology



### PEOPLE

No matter what language(s) you need for your business, we help to quickly instill confidence in your team, guiding them to build the skills and knowledge they need to tackle your most pressing programming challenges. We assist with individual and team planning paths, skills training, and defining job roles to make acquiring programming proficiency simple and cost-efficient for you and your team.



### PROCESS/POLICY

Having the right processes in place takes training — from simply acquiring new skills, to a real impact on your business. Once you have a corps of skilled programmers in place, you must then develop readily understood, clearly defined processes to leverage those skills as efficiently as possible. We help you determine how to best incorporate new and advanced skill sets into your strategic planning, collaboration, and day-to-day workflow.



### TECHNOLOGY

We ensure that your teams grasp both the advantages of the latest technology and trends, as well as insight into the most popular legacy systems. This agnostic approach to technology enables remarkable flexibility, scalability, and integration. We offer end-to-end training and hands-on support for you and your team, plus access to our subject matter experts, who help you and your team evaluate and utilize existing and new technology to drive business success.

# A HOLISTIC APPROACH TO OPTIMIZE YOUR WORKFORCE

## DEFINE

Organizational Structure, Processes & Job Roles

- › Based on your specific programming needs, our experts will ensure your workforce is equipped with a clear objective for the programming capability you intend to achieve
- › Create a clear business plan that establishes the goal and vision of your programming — fit for your specific context — and establish the necessary cultural, mindset, and behavior changes for successful programming transformations

## ASSESS/MAP

Knowledge, Skills & Abilities (KSAs)

- › Align the Knowledge, Skills, and Abilities (KSAs) of your workforce to your immediate, short-term, and long-term business goals
- › Determine the KSAs of your existing staff and identify skill gaps using automated skills assessments

## ENHANCE

Knowledge, Skills & Abilities (KSAs)

- › Develop a customized programming curriculum with individual learning plans to meet the needs of your staff and organization
- › Provide program management of the programming training, coaching, and mentoring of your staff

## IMPLEMENT

Process & Organizational Improvements

- › Rapidly increase the process maturity of your staff with customized Acceleration Workshops
- › Embed our expert instructors to help your staff apply newly embedded programming skills on the job

### PROGRAMMING ACCELERATION WORKSHOPS

- Minimize maintenance costs and maximize application capabilities
- Optimize applications for better UI and CX
- Build applications that can easily update as requirements change
- Integrate new front-end client views to existing enterprise applications

# Learning Tree's Comprehensive Programming Learning Paths

Learning Tree's programming experts have designed role-specific learning paths that provide each member with the knowledge and skills to implement, manage, and enhance your organization's programming environment.

KNOWLEDGE AREA	FOUNDATION	INTERMEDIATE
 <p><b>Java Training for App, Web Client-Side, Enterprise &amp; Web Services Developers</b></p>	<ul style="list-style-type: none"> <li>▶ <b>Java Programming Introduction</b> Course 471 • 4 Days</li> </ul>	<ul style="list-style-type: none"> <li>▶ <b>Java Best Practices and Design Patterns</b> Course 516 • 4 Days</li> <li>▶ <b>Developing Java Web Applications</b> Course 570 • 4 Days</li> <li>▶ <b>Java 8 New Features, Part 1</b> Course 4892 • 1 Day</li> <li>▶ <b>Java 8 New Features, Part 2</b> Course 4893 • 1 Day</li> </ul>
 <p><b>.NET Training for App, Web, Enterprise &amp; Web Services Developers</b></p>	<ul style="list-style-type: none"> <li>▶ <b>Introduction to Programming using .NET</b> Course 502 • 4 Days</li> <li>▶ <b>Visual Basic Programming for .NET</b> Course 503 • 4 Days</li> </ul>	<ul style="list-style-type: none"> <li>▶ <b>Building ASP.NET Web Forms Applications</b> Course 2621 • 4 Days</li> <li>▶ <b>.NET Best Practices and Design Patterns</b> Course 511 • 4 Days</li> </ul>
 <p><b>Perl, Python &amp; C++ Training for App &amp; Web Developers, as well as Software &amp; DevOps Engineers</b></p>	<ul style="list-style-type: none"> <li>▶ <b>Introduction to Python Training</b> Course 1905 • 4 Days</li> <li>▶ <b>Perl 5 Programming Introduction</b> Course 431 • 4 Days</li> <li>▶ <b>C++ Programming*</b> Course 327 • 4 Days</li> </ul>	<ul style="list-style-type: none"> <li>▶ <b>C++14 New Features: How Are They More Effective?*</b> Course 5062 • 1 Day</li> </ul>
 <p><b>Training for Mobile Web Application Developers</b></p>	<ul style="list-style-type: none"> <li>▶ <b>jQuery Best Practices for Legacy and Today</b> Course 1610 • 4 Days</li> <li>▶ <b>JavaScript Essentials for the Full Stack Developer Using ECMAScript</b> Course 2319 • 4 Days</li> <li>▶ <b>HTML5 Web Development with CSS3 and JavaScript</b> Course 2320 • 4 Days</li> <li>▶ <b>Building Responsive Web Applications with CSS3</b> Course 522 • 4 Days</li> </ul>	<ul style="list-style-type: none"> <li>▶ <b>Mobile and Responsive Web Design</b> Course 2315 • 3 Days</li> <li>▶ <b>Building Web Applications with AngularJS</b> Course 2321 • 4 Days</li> </ul>
 <p><b>Training for Mobile Native Application Developers</b></p>	<ul style="list-style-type: none"> <li>▶ <b>iPhone and iPad Application Development Introduction</b> Course 2761 • 4 Days</li> <li>▶ <b>Swift Programming Introduction</b> Course 2763 • 4 Days</li> </ul>	<ul style="list-style-type: none"> <li>▶ <b>Android Application Development and Programming</b> Course 2771 • 4 Days</li> </ul>
 <p><b>Training for Mobile Services Application Developers</b></p>	<ul style="list-style-type: none"> <li>▶ <b>Java Programming Introduction</b> Course 471 • 4 Days</li> </ul>	<ul style="list-style-type: none"> <li>▶ <b>Java Best Practices and Design Patterns</b> Course 516 • 4 Days</li> <li>▶ <b>Securing Web Applications, Services and Servers</b> Course 940 • 4 Days</li> </ul>

\* These courses are exclusively available for on-site delivery at your preferred

**TO LEARN MORE, VISIT [LEARNINGTREE.COM](http://LEARNINGTREE.COM) OR CALL 1-800-843-8733**

# Learning Paths

Member of your workforce with  
ment.

## ADVANCED

▶ **Building REST and SOAP Web Services with Java**  
Course 577 • 4 Days

▶ **Building Modern Java Enterprise Apps: JPA, EJB3, & JSF**  
Course 936 • 4 Days

▶ **Developing Enterprise Java Applications with Spring and Hibernate**  
Course 517 • 4 Days

▶ **WCF, Web API and SignalR Services for .NET**  
Course 2601 • 4 Days

▶ **Programming C# Extended Features**  
Course 973 • 4 Days

▶ **ASP.NET MVC with AngularJS and Bootstrap**  
Course 4644 • 1 Day

▶ **Developing ASP.NET Web API Services**  
Course 4645 • 1 Day

▶ **Advanced Python: Best Practices and Design Patterns**  
Course 1906 • 4 Days

▶ **Building Web Applications with React**  
Course 2322 • 4 Days

▶ **Developing Enterprise Java Applications with Spring and Hibernate**  
Course 517 • 4 Days

▶ **Building REST and SOAP Web Services with Java**  
Course 577 • 4 Days

▶ **Building Modern Java Enterprise Apps: JPA, EJB3, & JSF**  
Course 936 • 4 Days

▶ **WCF, Web API and SignalR Services for .NET**  
Course 2601 • 4 Days

## FEATURED EXPERT INSTRUCTORS: Real-World Programming Practitioners



### MIKE WOINOSKI

Senior Developer at  
Mitchell Technical Services,  
and Learning Tree Instructor and Author

Mike has over 30 years of experience as a software developer and architect for enterprise systems implemented with Java, Python, and C++. His projects include automated legal billing and bill review software, task scheduling and modeling applications, Electronic Toll Collection (ETC) systems, and automated PDF form creation.

- Software architect and lead developer for the world's first Java-based ETC system, deployed on the Golden Gate Bridge
- Author of Learning Tree courses on Java web services, advanced Python, and UNIX/Linux
- Has delivered several hundred classes as an instructor for over 25 years

“*One of the best training courses I've attended, and I've attended a few over the years! Mike is an awesome instructor; he is an expert in the subject area and is excellent at imparting his knowledge to the class. He was able to answer all of our questions in a concise and clear manner.*”

– D. Uchani

Federal Reserve Bank of Dallas



### GREGORY ADAMS

Senior Consultant,  
President and CEO of ISDI,  
and Learning Tree Instructor and Author

Gregory has been in the IT field for more than 35 years, with extensive experience both in the government and private industry. His areas of expertise include Software Engineering, Advanced Design, Agile/Scrum Transformation, SFIA/NCWF Adoption, and Web and Mobile Device Security.

- Has undertaken numerous projects, including those in approximately 50 of the Fortune 500 companies
- President and CEO of ISDI — a consulting company dedicated to excellence in software design and development
- Previously served as Learning Tree Chief Strategy Officer

“*The best course I've ever taken at Learning Tree (and I've taken a lot), and the best instructor I've ever had! He was smart, funny, personable, and such a natural instructor.*”

— J. Brewer, *IT Specialist*

Department of Veterans Affairs

# TRANSFORMING ORGANIZATIONS' PEOPLE • PROCESSES • TECHNOLOGY

## TECHNOLOGY BRANDS

Adobe	IBM	Oracle	Salesforce
AWS	Lean Six Sigma	Red Hat	VMware
Cisco	Microsoft		

## IT & MANAGEMENT TRAINING TOPICS

Agile & Scrum	Cyber Security	Linux & UNIX	SharePoint
Apple Programming	DevOps	Microsoft Office	Software Development
Azure	FAC P/PM	Mobile App Development	SQL Server
Big Data & Data Science	ITIL®, COBIT® & TOGAF®	.NET / Visual Studio	Web Development
Business Analysis	ITSM Certification Training	Networking & Virtualization	Windows Training
Business Intelligence	Java Programming	Project Management	
Cloud Computing	Leadership & Professional Development	Python, Perl & C++	
Communication Skills			

### Trusted Partner for 60,000+ Organizations

serving national and multinational corporations, government agencies, education and non-profits

### 600+ Expert Advisors

serving our global customer footprint and averaging 20+ years of diverse real-world experience

### Demonstrated Past Performance

in offering end-to-end proven capabilities to provide all facets of Workforce Optimization resulting in improved organizational alignment

LEARN MORE AT: [LEARNINGTREE.COM](http://LEARNINGTREE.COM)

