Winapps

Unlocking Career Opportunities through World-Class Professional Tech Training
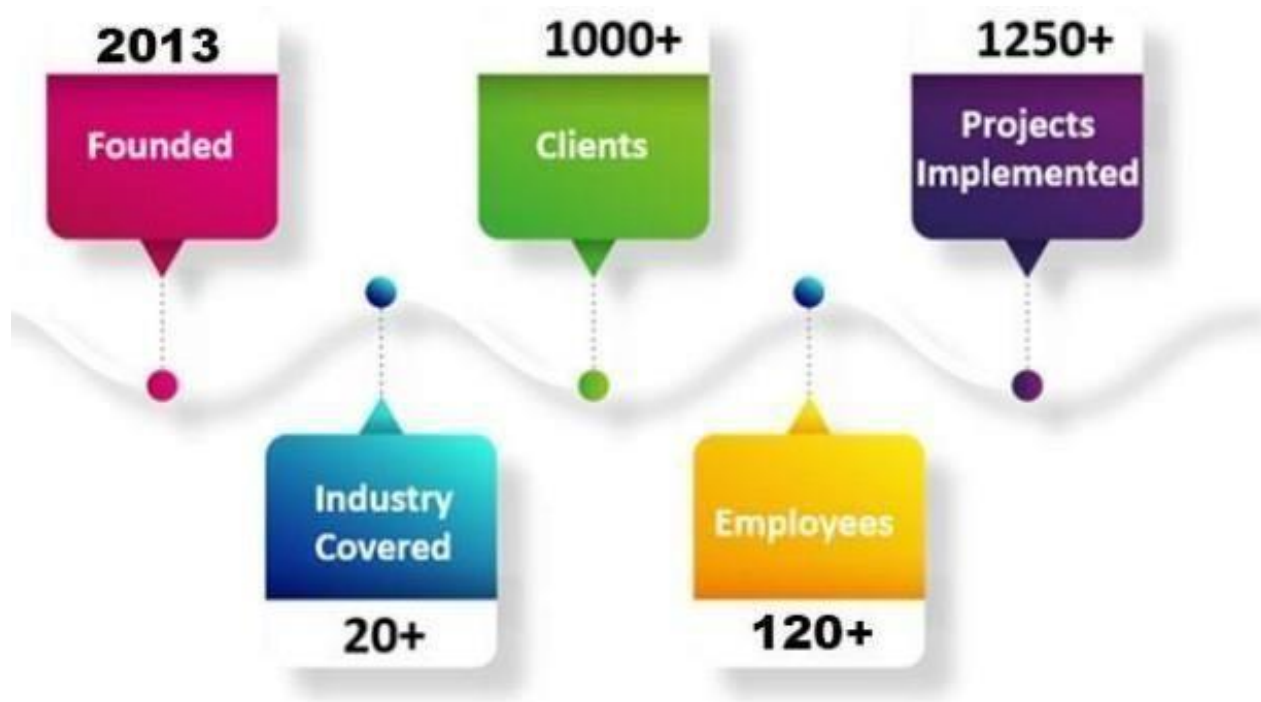
Boost your career with professional training.

About Winapps Software Solutions Pvt.ltd.

Founded in 2013, Winapps provides IT solutions specially- tailored to its customers' needs, with a focus CRM Implementation, ERP implementation, web and mobile development. We bring security and integrity to the development process, efficiently blending our assets with your existing structure. We love to code; set your business process and we know how to do it right. Our approach, which combines innovation with timely delivery, is perfectly attuned to our clients' goals. Independent from the dynamism and complexity of business requirements, our vast, collective experience and comprehensive solutions library allow us to build cost- effective programming teams and set realistic budgets.

2013 Founded

1000+ Clients

1250+ Projects Implemented

Industry Covered 20+

Employees 120+

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Node.js

Node.js is an **open-source, cross-platform JavaScript runtime environment** that allows you to execute JavaScript code outside a web browser. It is built on **Google Chrome's V8 JavaScript engine** and is designed to build fast, scalable, and lightweight applications, particularly for server-side development.**What it is**: Node.js is a JavaScript runtime environment that allows developers to use JavaScript for both client-side and server-side code. It's often used for server-side programming, such as generating dynamic web page content.

Key Features of Node.js:

- **Asynchronous and Event-Driven:** Node.js is designed for handling multiple requests simultaneously without blocking execution. This is achieved through its non-blocking, event-driven architecture.**Event loop**: Node.js presents an event loop as a runtime construct, rather than a library.

- **Single-Threaded:** Although it uses a single thread to handle requests, it efficiently manages multiple connections using its **event loop**, making it highly scalable.

- **Fast and Lightweight**:

    - Uses V8, a high-performance JavaScript engine.

    - Its architecture makes it ideal for data-intensive, real-time applications.

- **NPM (Node Package Manager):** Node.js includes a package manager, **NPM**, which provides access to a massive ecosystem of libraries and tools.

- `Cross-Platform`: Node.js works across different operating systems (Windows, macOS, Linux), enabling the creation of platform-independent applications.

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Common Use Cases:

1. **Web Applications**: Backend for websites and REST APIs, often using frameworks like Express.js.
2. **Real-Time Applications**: Examples: Chat applications, collaborative tools, and live-streaming apps.
3. **API Development**: Build RESTful APIs to serve data for front-end applications.
4. **Microservices**: Lightweight services that can handle specific tasks in a larger system.
5. **Command-Line Tools**: Creating tools for automation or development.

Why use Node.js?

- **High Performance**: Great for applications requiring frequent I/O operations, like real-time apps.
- **Full-Stack Development**: Since JavaScript is used on both client and server, it's easier for developers to work across the stack.
- **Rich Ecosystem**: A large number of libraries and tools are available via NPM.

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Introduction to Node.js

- What is Node.js?
- Features and advantages of Node.js
- Event-driven architecture
- Blocking vs. Non-blocking I/O
- Installation and setup of Node.js
- Running your firs Node.js application.

Type of Node.js Modules

1. **Core Modules**
2. **Local/Custom Modules**
3. **Third-Party Modules**

Core Modules of Node.js

- **HTTP:** Creating a server, handling requests and responses
- **Path:** Working with file and directory paths
- **OS:** Fetching system information
- **Events:** EventEmitter and custom events
- **Timers:** setTimeout, setInterval, and setImmediate

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Node.js Fundamentals

1. Global objects: __dirname, __filename
2. Modules and require
   - Common-JS and ES Modules
3. Creating and using custom modules
4. NPM (Node Package Manager)
   - Installing, updating, and removing packages
   - Creating and publishing a package.

Asynchronous Programming in Node.js:
- Callbacks
- Promises
- Async/Await
- Event loop and how it works

Building Web Servers with Node.js:

- Basic HTTP server
- Handling routes and requests
- Serving static files
- Working with query strings and URL parameters
- Using middleware functions

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Why Winapps?

Industry Experience:

Winapps possesses huge experience in IT with different streams like education, E-commerce, banking, tourism, mortgage, real estate, insurance, medical, and health etc.

Certified Professional:

We have experts in-house as Certified Android developer, Certified iOS Developer, Certified Web Developer (PHP), Certified Mean/Mern stack Developer, Certified Networking engineer (CCNA), Certified QA tester, Certified
Software engineer, Certified flutter Developer, Certified React Native Developer, Certified ASP.net Developer, Certified UX/UX Designer. Certified backend database developer.

Trust and Transparency:

We have a proven track record of serving 500+ customers with security as a paramount and high touch communication. Extensive experience in end-to-end Implementations, Integrations, Support & Maintenance as Quality Service & Delivery is the primary focus. As well as the we have been providing the training to the candidates with a surety of job within and in the other MNCs.

If you would like to move forward with our proposal, please send me an email so we can begin discussing and planning the next steps right away. I will follow up with you through email next
Thank you kindly for reviewing our proposal. If you have additional questions, I am available by
info@winapps.info or by phone at- **7015796830**

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Foundation

Here's how you get started
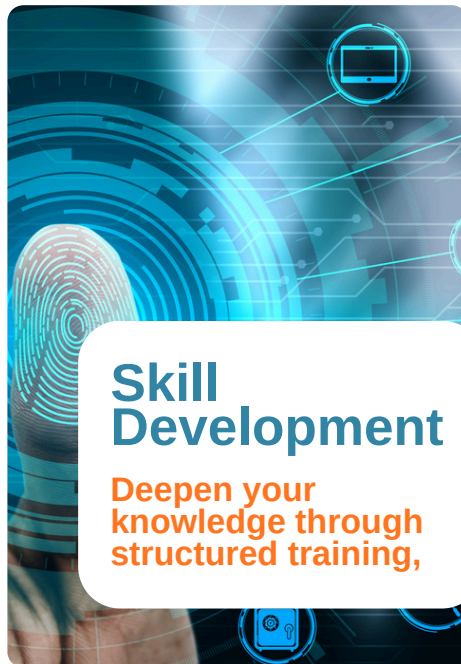
Skill Development

Deepen your knowledge through structured training,

Lead in the Real World

Apply everything you've learned to real scenarios, collaborate, solve problems, and step into the industry with assurance.