Node.js Start (NJS)

- **Formato do curso:** Presencial e Live Training
- **Localidade:** Porto
- **Data:** 08 Mar. 2021 a 10 Mar. 2021
- **Preço:** 1230€
- **Horário:** Laboral - das 9h00 às 17h00
- **Duração:** 18 horas

Learn to use JavaScript both server and client-side with Node.jS .

Destinatários

This course targets professional developers who are familiar with JavaScript and who want to learn how to use the Node.js to build a Web Server.

Pré-requisitos

Participants of this course need to have a solid understanding of JavaScript and Web Development.

Programa

Introducing Node.js

- How Node Applications Work
- Event-driven and non-blocking execution environment
- Understanding and using asynchronous control flows
- Dependency Management
- Folder Dependencies
- Node Package Manager (NPM)
- Task runners (Grunt)

Modules

- Importing and exporting CommonJS Modules
- Installing external modules with the Node Package Manager

- Creating a basic http server

Creating web applications with node.js

- Using Express.js
- View Engines – Jade
- View Engines – EJS
- View Engines – Vash
- Building the Controllers
- Building a Service
- Static Resources
- Client-side Resources

Creating Services with Node.js

- Rest services
- Building a Service with Express
- Start in Real-time communication with socket.io

Accessing Data with Node.js

- Data Access in Node.js
- Relational Data in Node.js with PostgSql
- No-SQL Data Stores for Node.js
- Installing MongoDB
- Accessing the MongoDB Server
- CRUD Data to MongoDB
- Dictionary databases with Redis

Robust Messaging Services with ØMQ (ZeroMQ)

- Message-Publishing and -Subscribing
- Responding to Requests
- Routing and Dealing Messages
- Clustering Node.js Processes
- Pushing and Pulling Messages

Testing in Node.js

- TDD oriented development
- Jasmine
- Mocha
- Node Inspector
- Winston