



FULL STACK JAVA DEVELOPER

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THE STUDENTS WERE RECENTLY PLACED



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Hear from Our Students



Matthew Thompson

Student - Science



★★★★★

From research-based to current events, the 360-degree science curriculum is comprehensive, easy to understand, and fun. I learned a lot from the program and enjoyed every minute of it.



John Smith

Student - Science



★★★★★

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Matthew Thompson

Student - Science - 10 reviews - 10 photos

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Amel

Student opinion



★★★★★

These also connects a solid course & delivering all there is best teaching methods & how we can be better and getting better.



Amel

Student opinion



★★★★★

The professors are teaching through their own experience about the subject they are teaching. They encourage and support learners for achievement and extend the material and new things available for improvement in the future.



Amel

Student opinion



★★★★★

Learning by experience is better. Teaching methods become better & enhance their skills & gain specific knowledge in the field relevant for development of the industry. make it an excellent choice for professional development.



Amel

Student opinion



★★★★★

The best school company that provides quality training with technology and advanced resources with students (modern education and excellent faculty).

[View all reviews](#)



Amel

Student opinion



★★★★★

It was great experience for me all the technologies. These technologies help me to learn the technology.

Premier Hiring Partners



Premier Hiring Partners





About Alimdot

Alimdot provides a secure, collaborative platform for design collaboration amongst its independent and semi-independent freelancers across all Alimdot affiliated countries.

Using Alimdot, your design ideas become reality through the leading software development team.

Alimdot's proprietary is a design team creation tooling system that works with the client, designers, artists and copy with automatic tasks created in the process and secure collaboration for the rest of the work.

Benefits of being a Full Stack Developer

WORK FROM HOME

There is a wide range of jobs that Full Stack Developers are in high demand.

WORK FROM ANYWHERE

Many a remote, high-paying jobs.

WORK WITH THE BEST COMPANIES

There are companies that have thousands of employees that pay growth salaries.

JOURNEY WITH US



1

GETTING TO KNOW US

2

GETTING TO KNOW US

3

GETTING TO KNOW US

4

GETTING TO KNOW US

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GETTING TO KNOW US

6

GETTING TO KNOW US

LEARNING TRACK

01

Learn Data Basic

Discover the importance of data in business and how to collect, store, and analyze it.

02

Learn Advanced SQL

Learn how to write complex SQL queries to extract data from a database.

03

Learn Data Visualization

Learn how to create charts and graphs to visualize data and communicate insights.

04

Big Data Basics

Discover the challenges of working with large volumes of data and how to overcome them.

05

Learn Hadoop

Learn how to use Hadoop to store and process large volumes of data.

06

Learn MapReduce

Learn how to use MapReduce to process large volumes of data in parallel.

07

Learn Spark

Learn how to use Spark to process large volumes of data in memory.

08

Learn Graphs

Learn how to use graphs to represent and analyze data.

09

Learn Machine Learning

Learn how to use machine learning to analyze data and make predictions.



A DAY/WEEK WITH US

TOOLS & TECH



DETAILED SYLLABUS

Core Java

- Introduction :
- How to create a simple program in Java
- Writing a class and about the compile and run Java program
- Data types and control structures of Java
- Working with Arrays
- Loops and Switch statements
- Inheritance class

Introduction to Object Orientation.

- What is OOP : encapsulation, inheritance and polymorphism
- How to create class and instantiate objects
- Writing Constructors
- Thread creating and constructor overloading
- Overloading
- Static variables and static methods
- Interfaces
- Writing super keyword
- Abstract Method/Interface / Overloading
- Abstract method and class
- Final variable, method and class

Packages and Interfaces.

- What is a package and how to create it
- Writing package, import statement and the package for variable
- Access modifiers
- What is an interface
- Implementing an interface
- Abstract class and interfaces
- Functional interfaces
- Lambda Expressions

String Handling and Utilities

- String, StringBuffer, String
- StringBuffer
- How Java deals with Strings and Primitive types
- Wrapper classes : Formatting and unformatting
- Date, Calendar, SimpleDateFormat...
- StringTokenizer
- Variable arguments
- Random class

Exception Handling

- How to handle exceptions in Java : try, catch, finally
- Understanding exception class hierarchy
- Finally block
- Creating user-defined exceptions
- Using throws and throws arguments

Multi-Threading

- Difference multi-threaded application
- Creating new thread using subclass of Thread class
- Creating new thread using Thread class
- Methods of Thread class
- Life cycle of thread
- Synchronization of threads : using synchronized methods and blocks

IO Streams

- What is stream
- Character streams
- File Reader and File Writer
- BufferedReader to read one complete line
- Using InputReaderWriter to convert byte stream to char stream
- Reading data from keyboard (System.in)
- Using PrintStream class
- Using File class
- Serialization

Networking

- defining Network Node
- defining Client Node and connecting to server
- establishing client
- writing Jdbc and HttpConnection class

GUI

- defining swing Elements
- defining Window

Collections Frame Work

- collection, List, Set, Vector, Sorted Set, interfaces
- ArrayList, LinkedList, Vector, TreeSet
- List class
- ArrayList and Vector class interfaces
- LinkedList and TreeSet classes
- writing Collections class
- Iterator
- Collection Framework

Database and Web Technologies

RDBMS Basics

- Introduction
- RDB

JDBC

- different types of drivers
- writing Statement and PreparedStatement
- Working with ResultSet and ResultSetMetaData
- ResultSet and Callable Statement
- Calling stored procedure using CallableStatement
- Understanding relationship between JDBC API and Drivers
- Transaction management
- Batch update

• HTML, CSS, Java Script, AJAX

• Web Servers:

• Servlets:

- Most of server side Programming
- Introduction to Servlets
- Servlet Life Cycle
- javax.servlet package
- ServletConfig, ServletContext, ServletResponse & HttpServletResponse
- HttpServletRequest, HttpServletResponse and Forward mechanisms
- Mapping filters to Servlets
- javax.servlet.http package
- HttpSession life cycle
- HTTP request methods: GET vs POST
- Working with HTTP headers & cookies
- Session Tracking: purpose
- Session from cookie/session
- HTTP Session, with cookies
- Servlet listeners

JSP

- Development of Servlets
- Introduction to JSP
- JSP Life Cycle
- Creating dynamic Webcontent with JSP
- Including elements
- JSPs
- Declaration and Expression
- JSP container for JSP elements
- JSP directives: page, include and taglib
- JSP implicit objects
- JSP scripts
- Methods & forward mechanism
- Writing a Servlet as Jsp

• Filters

• Design Patterns

• XML

- XML Schema and XML Schema

- SOAP and REST

- SOAP and REST

• Basics of Web services

• JSP

Frame Works

• Build and Project Management tools

• Spring IOC

• Spring Boot Introduction

- Introduction to Spring Boot features

- Spring Boot project structure

- Creating a simple Boot application using Spring Initializr website

Spring Boot Dependencies, Auto-configuration, and Runtime

- Dependency management using Spring Boot starters

- Spring auto-configuration modes

- Spring auto-configuration properties

- Spring auto-configuration modes

- Spring auto-configuration modes

JPA with Spring and Spring Data

- Introduction to JPA with JPA
- Benefits of using Spring with JPA
- JPA configuration in Spring
- Configuring Spring JPA using Spring Boot
- Spring Data JPA's repository abstraction

Spring MVC Architecture and Overview

- Introduction to Spring MVC and request processing
- Controller method signatures
- Spring MVC annotations: `@RequestMapping`, `@GetMapping`, `@PostMapping`
- Configuring Spring MVC with Spring Boot
- Spring Boot packaging options: `actuator` or `start`

Rest with Spring MVC

- An introduction to the REST architectural style
- Generating REST responses using `@ResponseBody`
- Consuming REST with Spring MVC, `@RequestBody`, `@ExceptionHandler`, and `@ExceptionHandler`
- Spring MVC's `HttpServletResponse` and automatic content negotiation

Spring Security

- What problem does Spring Security solve?
- Configuring authentication
- Implementing authorization by intercepting URLs
- The `PasswordEncoder` interface: its abstraction level
- Passwords using other Spring Security filters chain
- Spring security testing

Actuators, Metrics and Health Indicators

- Handling Spring Boot Actuator endpoints
- External Actuators
- Health Indicators
- Handling custom Health Indicators
- External monitoring systems

Micro-services

- Introduction
- Definition of Micro-Services
- Principles of Micro-Services
- Advantages of Micro-Services
- Micro-services Benefits

Spring Cloud

- Introduction
- Distributed Environment
- Spring Cloud Dependencies
- External Configuration
- Service Discovery
- Distributed Scheduling
- Fault Tolerance



- [illegible]



100

- Introduction
- Features of Bookings
- History of Bookings
- Geography
- Fuel Management
- Fleet Position
- Culture
- Training
- Safety
- Bookings
- Markets
- Weather
- Key groups
- Budgets
- Prices
- Input Groups
- Assets
- Progress Bars
- Values
- Specifications
- Units
- Mileage/Outputs
- Cost Systems
- Management
- Fuel Issues
- Data Analysis
- Comments



Figure 1

- Introduction
- Original Source
- Political Climate
- Elements
- Components
- Structure
- Functional Components
- Process
- Timeline
- Events
- Issues
- Outcome
- Evaluation
- Impact
- Conclusion
- Summary



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