

AL MEER DAN 25 JAAR DE IT-OPLEIDER

Brochure

Entry Level Developer – a Startel special e-learning collection

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www.startel.nl



R

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- 1. Over startel
- 2. Over de training
- 3. Opleidingsdetails



Onze trainers nemen de tijd om elke cursist te begrijpen en hun specifieke behoeften en doelen in kaart te brengen.
Pieter Fokkema, directeur Startel





Wij zijn Startel. Al ruim 25 jaar de IT-opleider. Wij zijn gevestigd in centraal Noord-Nederland, aan de A7 te Drachten. Onze moderne opleidingslocatie ligt ideaal in de driehoek van Assen, Heerenveen en Groningen.



Met meer dan 25 jaar ervaring bieden wij de meest effectieve ITtrainingen voor professionals en bedrijven. Onze jarenlange ervaring met het trainen van cursisten stelt ons in staat om behoeften nauwkeurig in te schatten en maatwerk te leveren dat direct toepasbaar is in de praktijk. Hierdoor worden wij gezien als een ervaren en betrouwbare partner, die niet alleen kennis overbrengt maar ook zorgt voor duurzame resultaten.

Wij geloven dat elke cursist uniek is, met eigen leerbehoeften en doelen. Daarom nemen wij de tijd om onze cursisten goed te leren kennen en onze trainingen hierop af te stemmen. Met focus op persoonlijke benadering zorgen wij ervoor dat iedereen het maximale uit de training haalt.



Persoonlijke aanpak



Trainingen beschikbaar

Wij werken samen met toonaangevende leveranciers zoals Microsoft, CompTIA, EC-Council en Mile2 om jou de beste IT trainingen te bieden. Dankzij deze partnerships kunnen wij meer dan 350 hoogwaardige trainingen aanbieden, variërend van basisvaardigheden tot gespecialiseerde certificeringen.







Algemene omschrijving

Dit Entry Level Developer zelfstudiepakket bevat de volgende onderwerpen:

- Developer Fundamentals.
 - Track 1: Programming Fundamentals.
 - Track 2: Web Fundamentals.
 - Track 3: Database Fundamentals.
 - Track 4: Software Design and Development Fundamentals.
- User Experience (UX) Design Foundations.
- Introduction to Algorithms and Data Structures.
- Getting Started with Python.
- JavaScript Essentials.
- Software Testing Foundations.

Doelgroep

Dit Entry Level Developer zelfstudiepakket is geschikt voor iedereen die basis programmeervaardigheden wil krijgen.

Leerdoelen

Met dit Entry Level Developer zelfstudiepakket kun jij je voorbereiden op het examen IT-Specialist – Software Development en het Java OCA-examen.

Voorkennis

Je hebt geen specifieke voorkennis nodig om dit Entry Level Developer zelfstudiepakket door te mogen nemen. Wij raden daarentegen aan dat jij basiskennis hebt van ICT.

Onderwerpen

Developer Fundamentals

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This learning focuses on the prerequisites for every software development-related Journey or learning path. It's primarily designed for those who are new to programming and will help you acquire a stronger and better understanding of software development before getting deeply into learning any core programming language.

Among the topics covered in this Journey are key programming fundamental concepts such as Object-Oriented Programming (OOP), databases, and Software Development Life Cycle (SDLC) phases and models. In addition, the Developer Fundamentals learning kit introduces concepts related to software design and development principles.

Track 1: Programming Fundamentals

In this track, the focus will be on programming fundamentals where one can learn to build program logic with pseudocode, the purpose of the algorithm, Object-oriented concepts, and the best programming practices.

Courses:

- Programming Fundamentals: Command Line Interface & Operating System Commands.
- Programming Fundamentals: Introduction to Programming.
- Programming Fundamentals: Systematic Design with Pseudocode.
- Programming Fundamentals: Algorithms, Sorting, & Searching.
- Programming Fundamentals: Object-oriented Programming.
- Programming Fundamentals: Programming Best Practices.

Assessment

• Final Exam: Programming Fundamentals.

Track 2: Web Fundamentals

In this track, the focus will be on web development essentials that cover the core





elements and features of HTML, styling techniques with CSS, and the staples of everlasting scripting language JavaScript.

Courses:

- Web Fundamentals: Web Development with HTML.
- Web Fundamentals: Cascading Style Sheets for Web Pages.
- Web Fundamentals: Web Fundamentals: Dynamic Web Pages with JavaScript.

Assessment

• Final Exam: Web Fundamentals.

Track 3: Database Fundamentals

In this track, the focus will be on database concepts, RDBMS with a handful of demos on various SQL commands using MySQL.

Courses:

- Database Fundamentals: Database Concepts.
- Database Fundamentals: Understanding Relational Database Management Systems.
- Database Fundamentals: Getting started with SQL.
- Database Fundamentals: Working with SQL Commands.
- Database Fundamentals: Database Administration Basics.

Assessment:

• Final Exam: Database Fundamentals.

Track 4: Software Design and Development Fundamentals

In this track, the focus will be on software design and development principles that empowers you to recognize why software engineering is always the base for any sort of application development and to embrace the patterns, principles, models,

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and tools used in the development.

Courses:

- Software Design and Development: Software Engineering & SDLC Phases.
- Software Design and Development: Methodologies.
- Software Design and Development: Object-oriented Analysis and Design.
- Software Design and Development: Modeling with UML.
- Software Design and Development: Design Patterns & SOLID Principles.
- Software Design and Development: Version Control System.

Assessment

• Final Exam: Software Design and Development Fundamentals.

User Experience (UX) Design Foundations

A positive and effective user experience is crucial to the success of an application. This learning path covers the importance of identifying your users, using consistent and simple design patterns, implementing effective navigation and layout, incorporating media elements, using advertisements, and implementing user interface design strategies and tools such as Lean UX and wireframing.

Courses in this collection:

- UX Design Foundations: Design Principles and Strategies.
- UX Design Foundations: Techniques and Tools.
- UX Design Foundations: Navigation, Layout, and Content.

Introduction to Algorithms and Data Structures

• Introduction to Algorithms and Data Structures.

Getting Started with Python

Python continues to be one of the fastest-growing programming languages in the

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market today. Because of its ease of use and numerous supporting frameworks, it is widely used in web development, writing scripts, automating tasks, data science, and even cybersecurity. In this collection the focus is getting started with Python, complex data types, conditional statements and loops, and first-class functions and lambdas.

E-learning courses:

- Getting Started with Python: Introduction.
- Complex Data Types in Python: Working with Lists & Tuples in Python.
- Complex Data Types in Python: Working with Dictionaries & Sets in Python.
- Complex Data Types in Python: Shallow & Deep Copies in Python.
- Conditional Statements & Loops: If-else Control Structures in Python.
- Conditional Statements & Loops: The Basics of for Loops in Python.
- Conditional Statements & Loops: Advanced Operations Using for Loops in Python.
- Conditional Statements & Loops: While Loops in Python.
- Functions in Python: Introduction.
- Functions in Python: Gaining a Deeper Understanding of Python Functions.
- Functions in Python: Working with Advanced Features of Python Functions.

Online Mentor

• You can reach your Mentor by entering chats or submitting an email.

Assessment

• Final Exam: Python Novice.

JavaScript Essentials

JavaScript is the de facto standard for writing front-end user interfaces for web applications. This series of courses covers many facets of programming rich interactive user experiences with JavaScript.

Courses in this collection:





- JavaScript: Introduction.
- JavaScript: Getting Started with JavaScript Programming.
- JavaScript: Types, Operators, & Control Structures in JavaScript.
- JavaScript: Functions & Arrays in JavaScript.
- JavaScript: Objects.
- Web Fundamentals: Dynamic Web Pages with JavaScript.

Software Testing Foundations

Software systems are increasingly ubiquitous in all aspects of our lives. Failures in these systems can be costly in terms of money, time, and business reputation. Some software failures can even result in personal injury or death. Effective software testing is integral to mitigating harm caused by software failures and providing confidence in software systems.

This path of courses introduces the objectives, principles, psychology, ethics, and fundamental processes associated with software testing. It covers testing throughout the software life cycle, static techniques, and test design techniques including black-box and white-box testing. You'll learn about test management, including planning, configuration, monitoring, and risk management. Finally, you'll learn about the tool support for testing – the types of tools available and how to introduce tools to your organization.

Courses in this collection:

- Software Testing Foundations: Testing throughout the Software Life Cycle.
- Software Testing Foundations: Static, Dynamic, Black-box, and White-box Testing.
- Software Testing Foundations: Test Planning, Management, and Tool Support.





Kosten	595,- Excl. BTW
Totale leesduur	10 dagen
Tijdstip	09:00 - 17:00
Afronding	Met dit zelfstudiepakket kun jij je voorbereiden op het examen: "IT Specialist – Software Development" en het Java OCA-examen.
	Bij dit zelfstudiepakket is er geen examenvoucher inbegrepen.
Soort training	Klassikaal, virtueel of op maat
Trainingslocatie	Drachten of op eigen locatie

Wil je deze training volgen? Schrijf je dan nu in en zet de volgende stap in je IT-carrière!

Nu Inschrijven



Hulp nodig? Wij helpen je!

Neem contact met ons op.



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Naar contactformulier

