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Aspire Learning Journeys

Learning journeys designed to move people forward.

Sequenced Instruction
Journeys are organized along a path that orients learners to key work functions and daily learning challenges.

Based on a Proven Approach to Learning Design
We provide a diverse set of learning tools including videos, books, audiobooks as well as practice assessments that complement the diverse ways people learn.

Hands on Practice
Without the need for any installation, Labs allow learners to prepare in a safe virtual environment and put new capabilities into practice

Job Readiness
At the culmination of the journey, users must demonstrate their new-found knowledge by passing a rigorous final exam.

Relevant Business & Leadership Skills
Provided optionally in every Journey, learners can go beyond the technical by learning the relevant skills necessary to communicate ideas to leadership and collaborate across teams.

Table of Contents

PENETRATION TESTER TO SECOPS ENGINEER	**2**
AI APPRENTICE TO AI ARCHITECT	**3**
SOFTWARE TESTER TO DEVOPS AUTOMATED TESTER	**4**
OFTWARE PROJECT ANALYST TO SR. SOFTWARE PROJECT MANAGER	**5**
SOFTWARE PROJECT LEAD TO ADVANCED SCRUM MASTER	**6**
DEVOPS ENGINEER TO CLOUDOPS ARCHITECT	**7**
SECURITY ANALYST TO SECURITY ARCHITECT	**8**
NETWORK SECURITY SPECIALIST TO CLOUDOPS SECURITY ARCHITECT	**9**
PROGRAMMER TO SECURE AGILE PROGRAMMER	**10**
BLOCKCHAIN APPLICATION DEVELOPER TO BLOCKCHAIN SOLUTIONS ARCHITECT	**11**
DEVOPS ENGINEER TO CLOUDOPS ARCHITECT	**12**
MACHINE LEARNING PROGRAMMER TO MACHINE LEARNING ARCHITECT	**13**
ENTERPRISE DEVELOPER TO DEVOPS ENGINEER	**14**
ENTERPRISE DEVELOPER TO FULL STACK DEVELOPER	**15**
DATA ANALYST TO DATA SCIENTIST	**16**
NOVICE DEVELOPER TO PYTHONISTA	**17**
WEB PROGRAMMER TO APPRENTICE PROGRAMMER	**18**
PPRENTICE DEVELOPER TO JOURNEYMAN	**19**
JOURNEYMAN DEVELOPER TO MASTER-Coming Soon!	**20**

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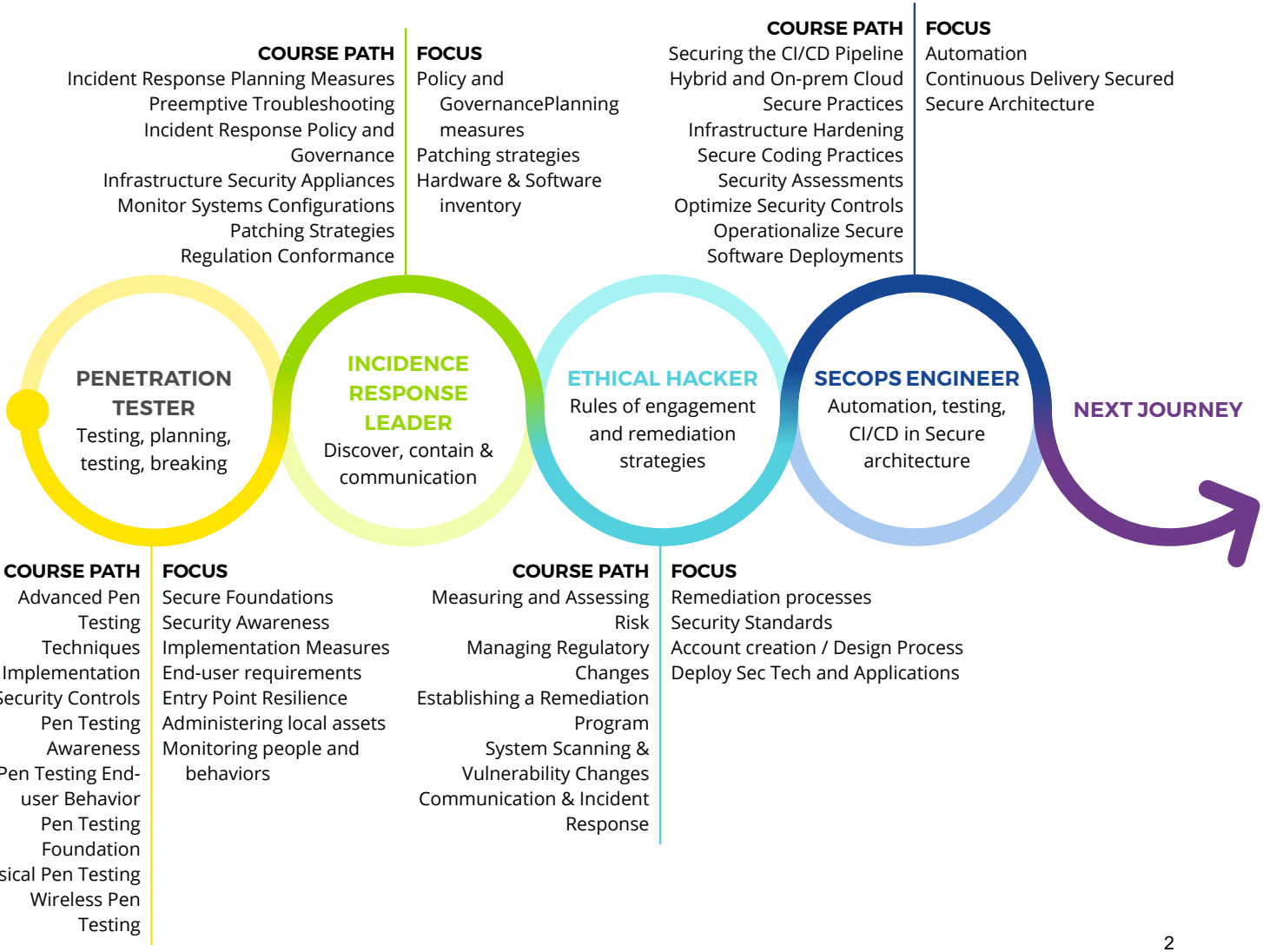
PENETRATION TESTER TO SECOPS ENGINEER



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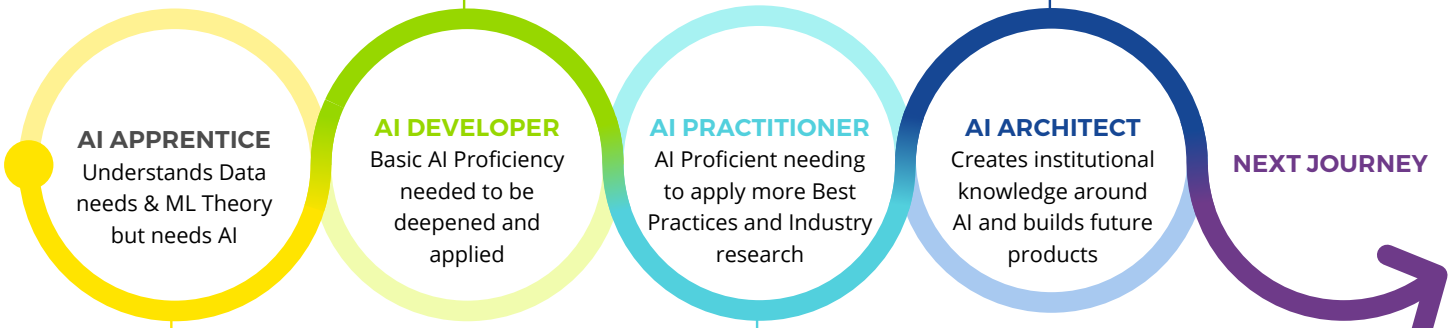
AI APPRENTICE TO AI ARCHITECT



COURSE PATH
AI Theory
HCI Principles and Methods
Python AI Development
Computer Vision for AI Cognitive Models

FOCUS
Framework Fundamentals
AI Theory & Fundamentals
AI for ML and Data Scientists
Fundamentals of HCI
Applied AI with Python
Fundamentals of Computer Vision
Cognitive Modeling Fundamentals

COURSE PATH
The AI Developer Role
AI Development Frameworks
Developing AI Solutions with Microsoft CTNK, Keras, Spark and Amazon ML
Applying Cognitive Models
AI and Robotics

FOCUS
Application of Frameworks
Automatic Algorithm Improvement
Focus on Interactive AI and HCI
Applying Cognitive Models
Semantic Information Processing
Exploring robotics
Building Intelligent Information Sys

COURSE PATH
The AI practitioner role
Optimizing and Tuning AI Solutions
Extending AI Frameworks and APIs
Optimizing AI Solutions with Microsoft CTNK, Keras, Spark and Amazon ML
Creating New AI APIs
Building Intelligent Information Systems

FOCUS
Constructing Training Scenarios
Tuning Production AI Solutions
Evaluating New AI Frameworks
Creating APIs for AI Solutions
Extension of Frameworks & APIs
Creating Monitoring Checks
Performance Tuning

COURSE PATH
The AI Architect Role
AI Enterprise Planning
AI in Other Industries
Building Repeatable AI Design Patterns
Evaluating New AI Frameworks

FOCUS
Applying AI Enterprise-wide
Architecting Future AI Solutions
State of the Art AI Research
Adapting AI to other Industries
Deploying AI Tech to Enterprise Challenges
Building a Repeatable AI Stack/Pipeline

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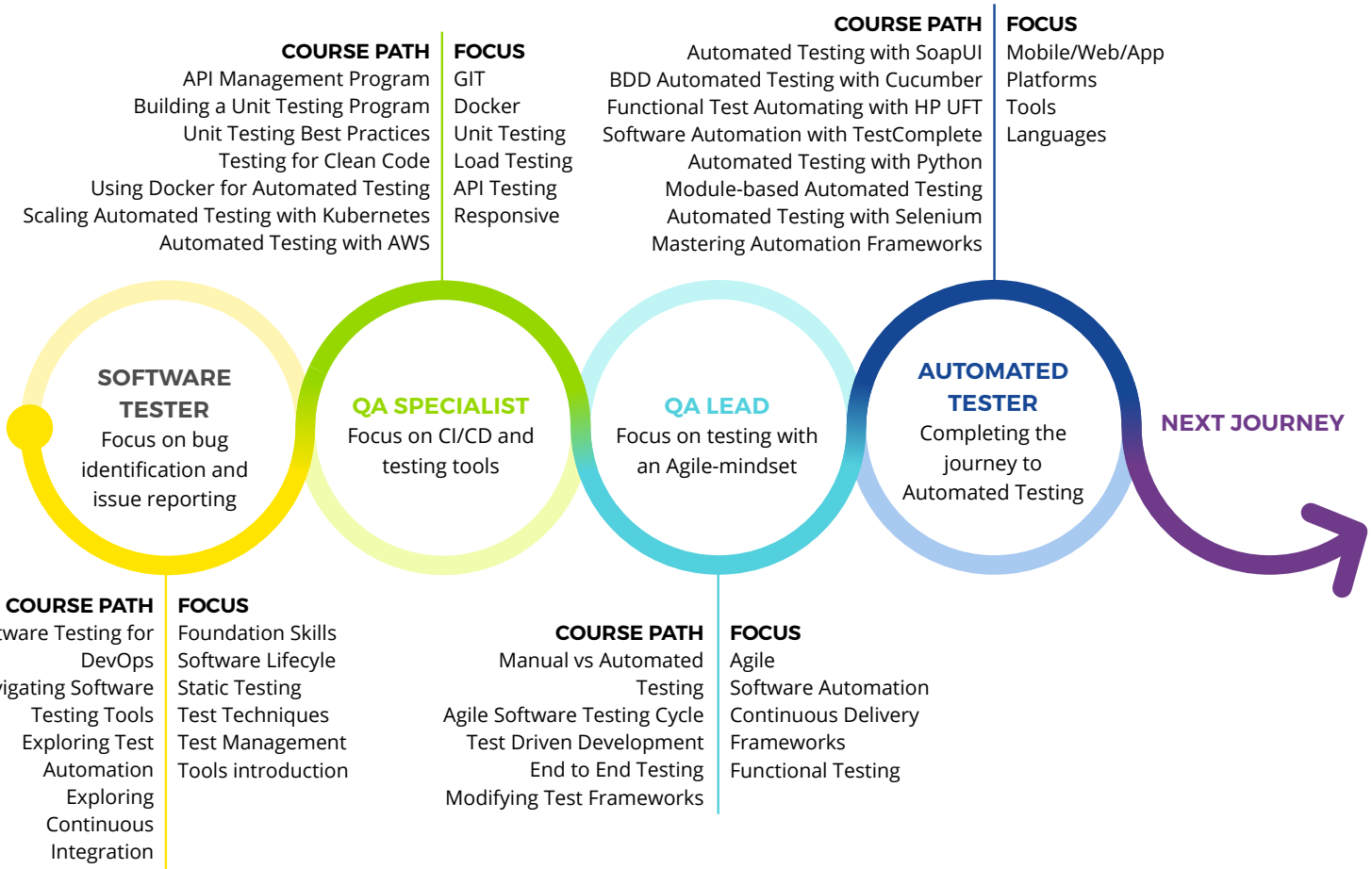
SOFTWARE TESTER TO DEVOPS AUTOMATED TESTER



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SOFTWARE PROJECT ANALYST TO SR. SOFTWARE PROJECT MANAGER

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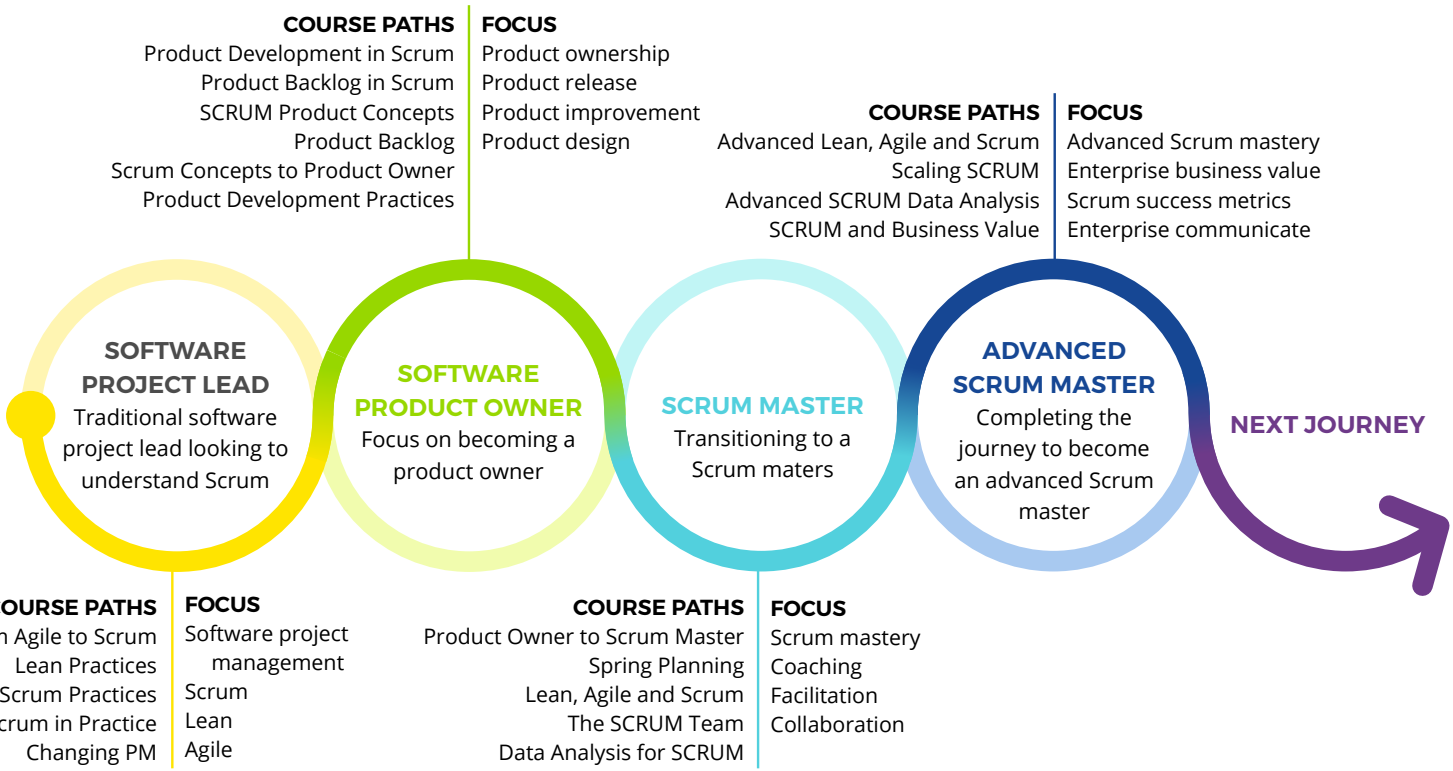
SOFTWARE PROJECT LEAD TO ADVANCED SCRUM MASTER



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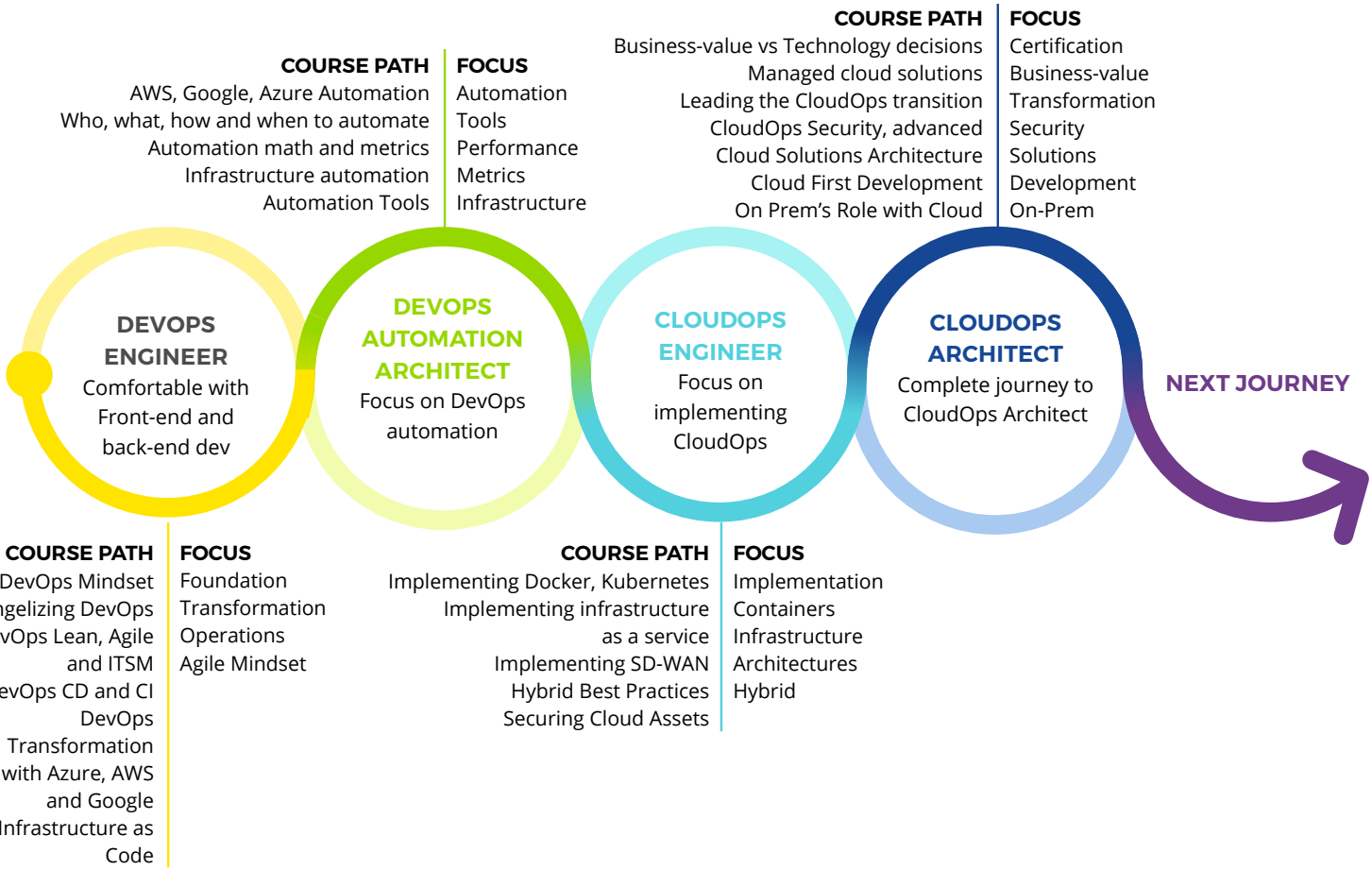
DEVOPS ENGINEER TO CLOUDOPS ARCHITECT



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SECURITY ANALYST TO SECURITY ARCHITECT

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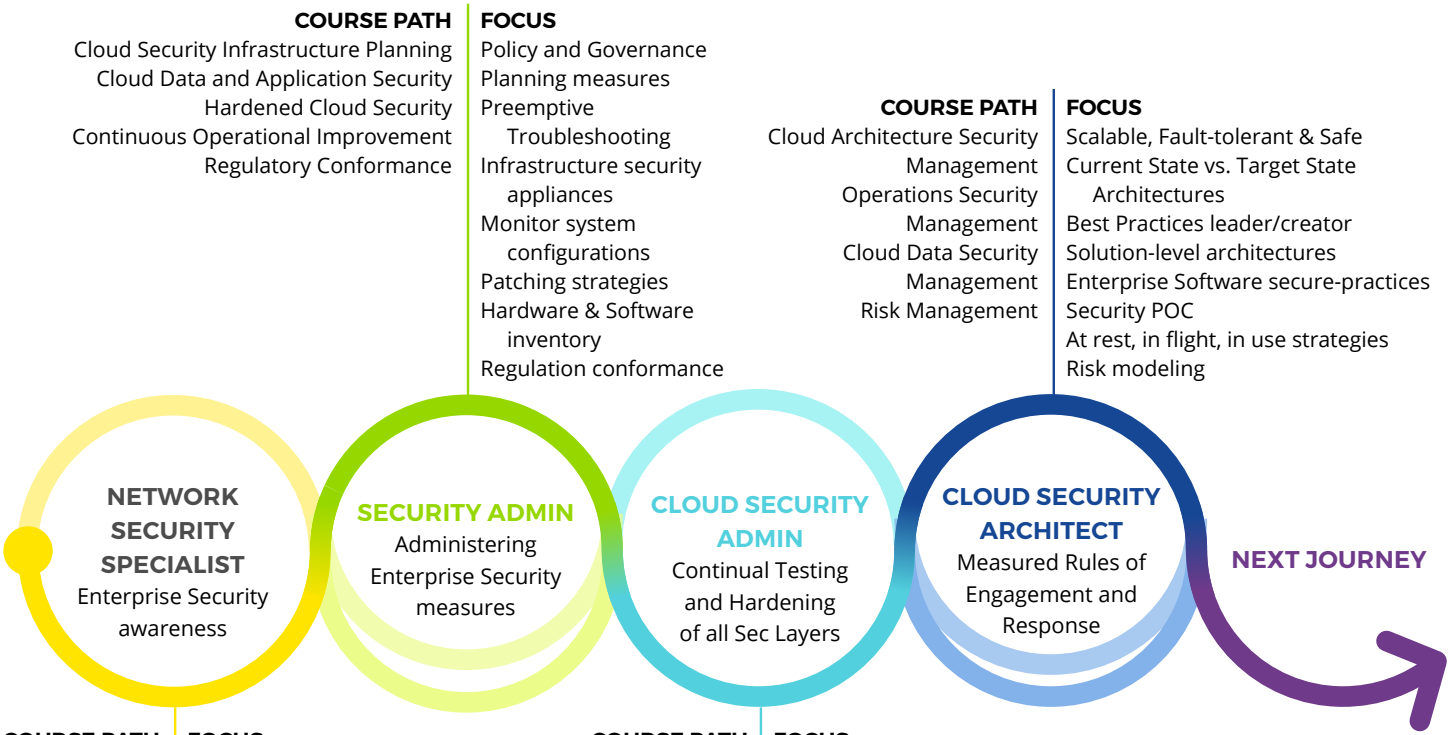
NETWORK SECURITY SPECIALIST TO CLOUDOPS SECURITY ARCHITECT



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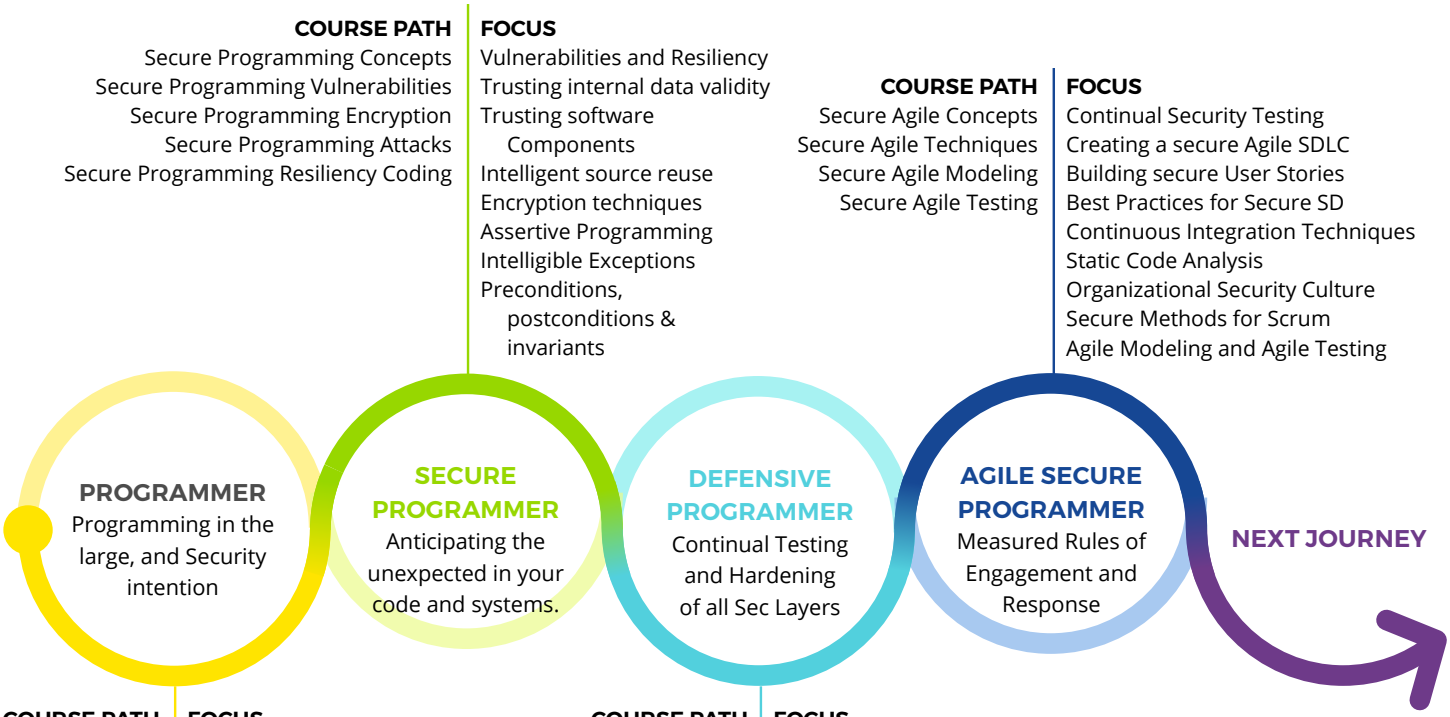
PROGRAMMER TO SECURE AGILE PROGRAMMER



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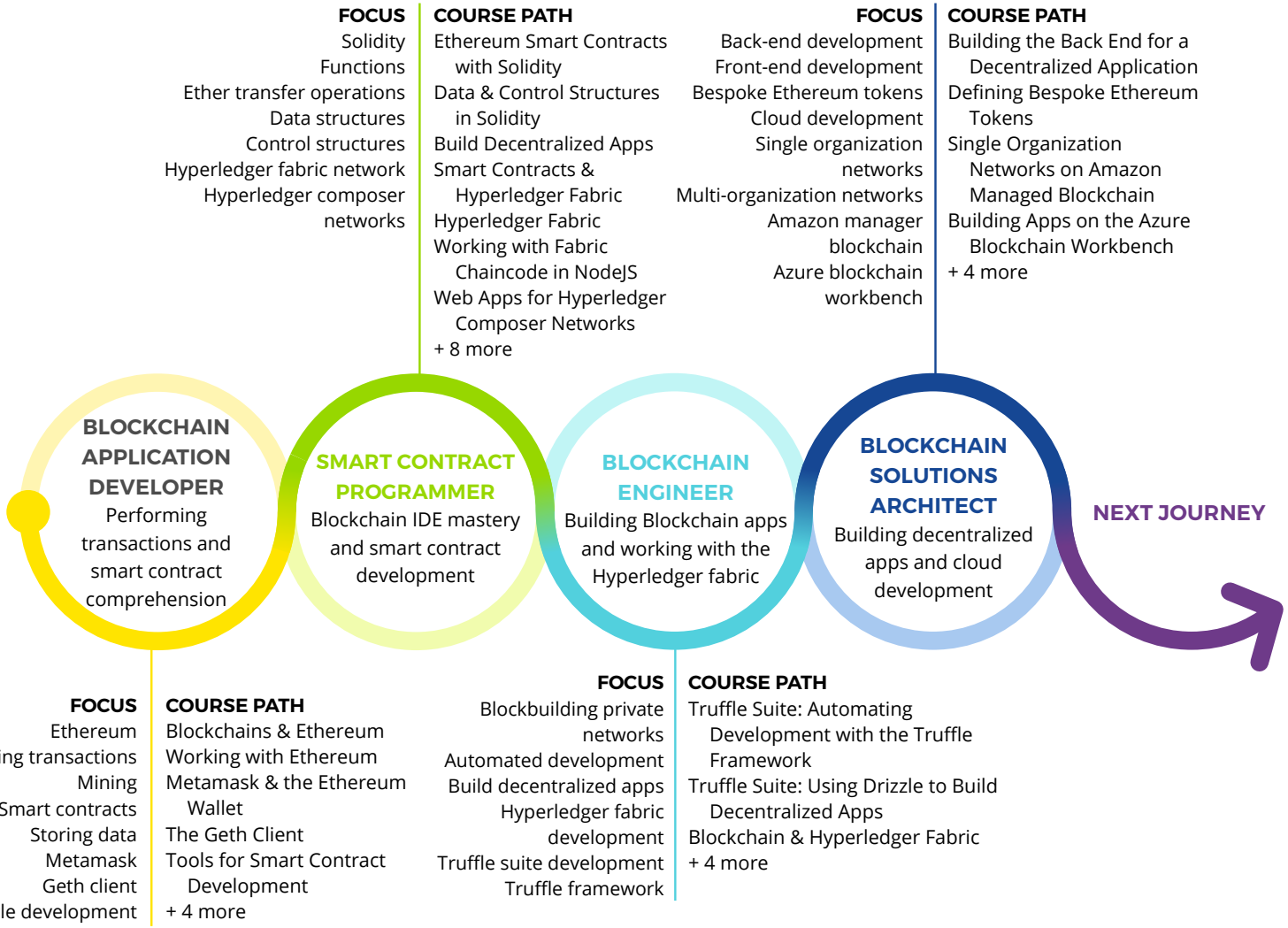
BLOCKCHAIN APPLICATION DEVELOPER TO BLOCKCHAIN SOLUTIONS ARCHITECT



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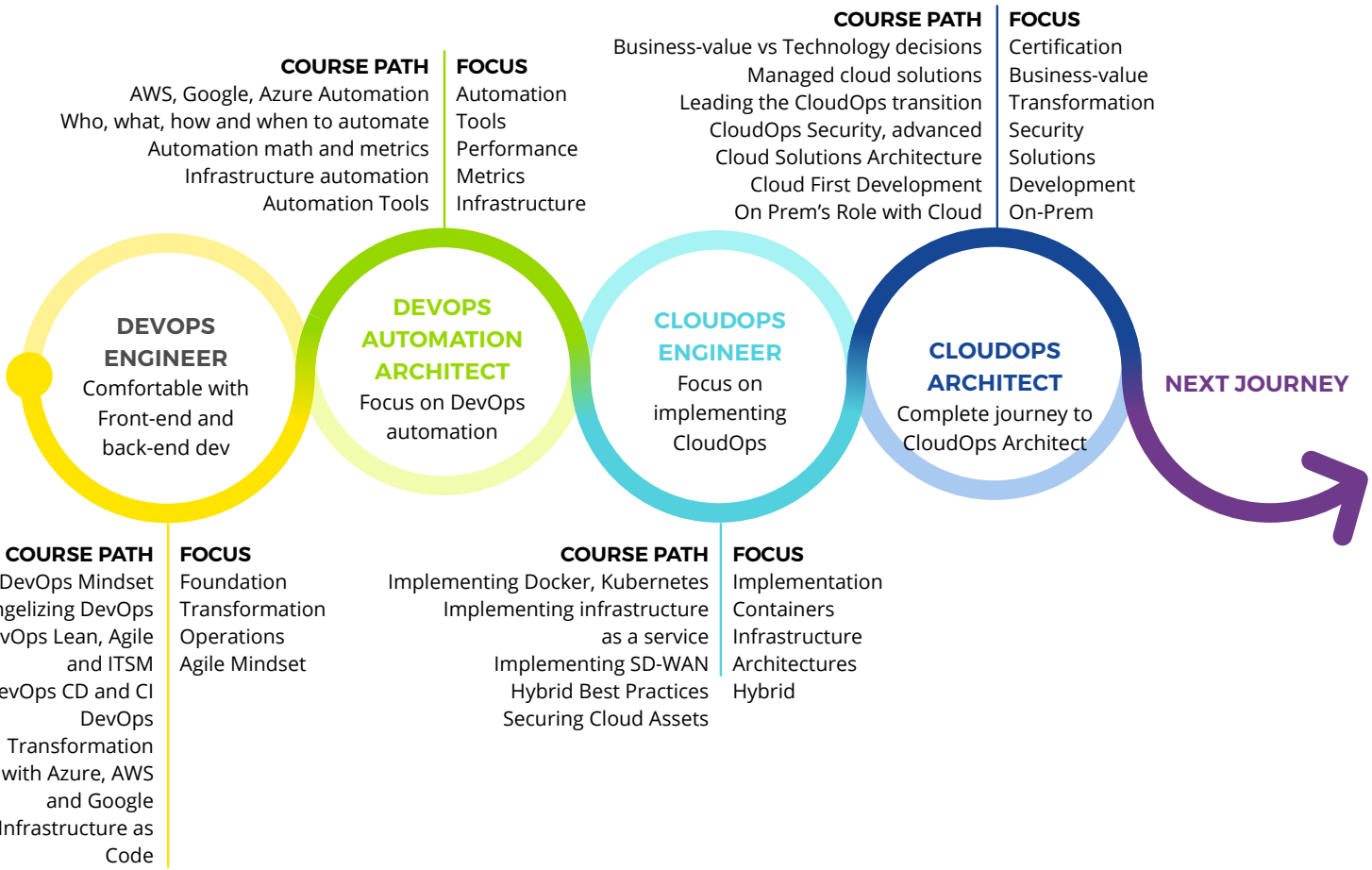
DEVOPS ENGINEER TO CLOUDOPS ARCHITECT



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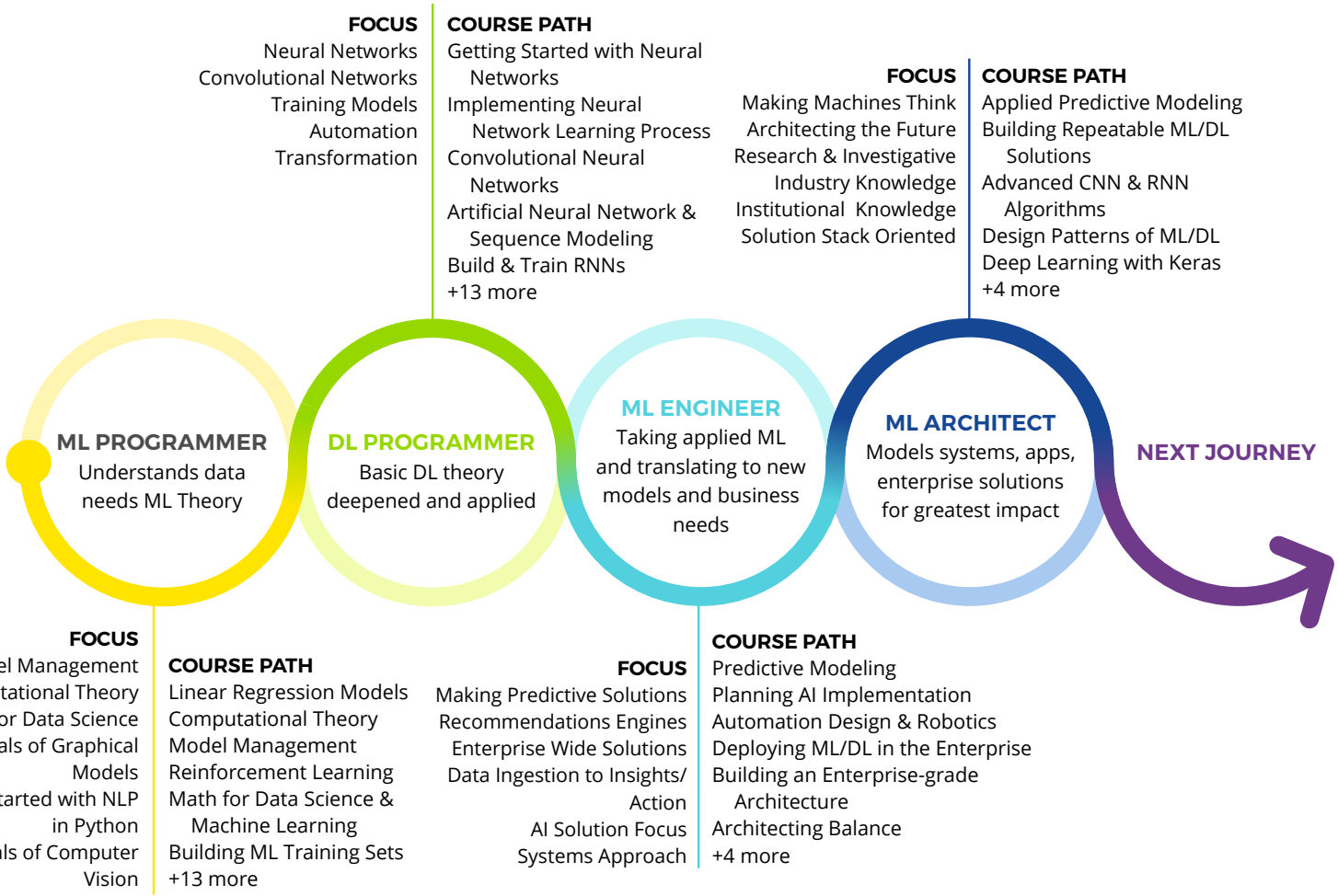
MACHINE LEARNING PROGRAMMER TO MACHINE LEARNING ARCHITECT



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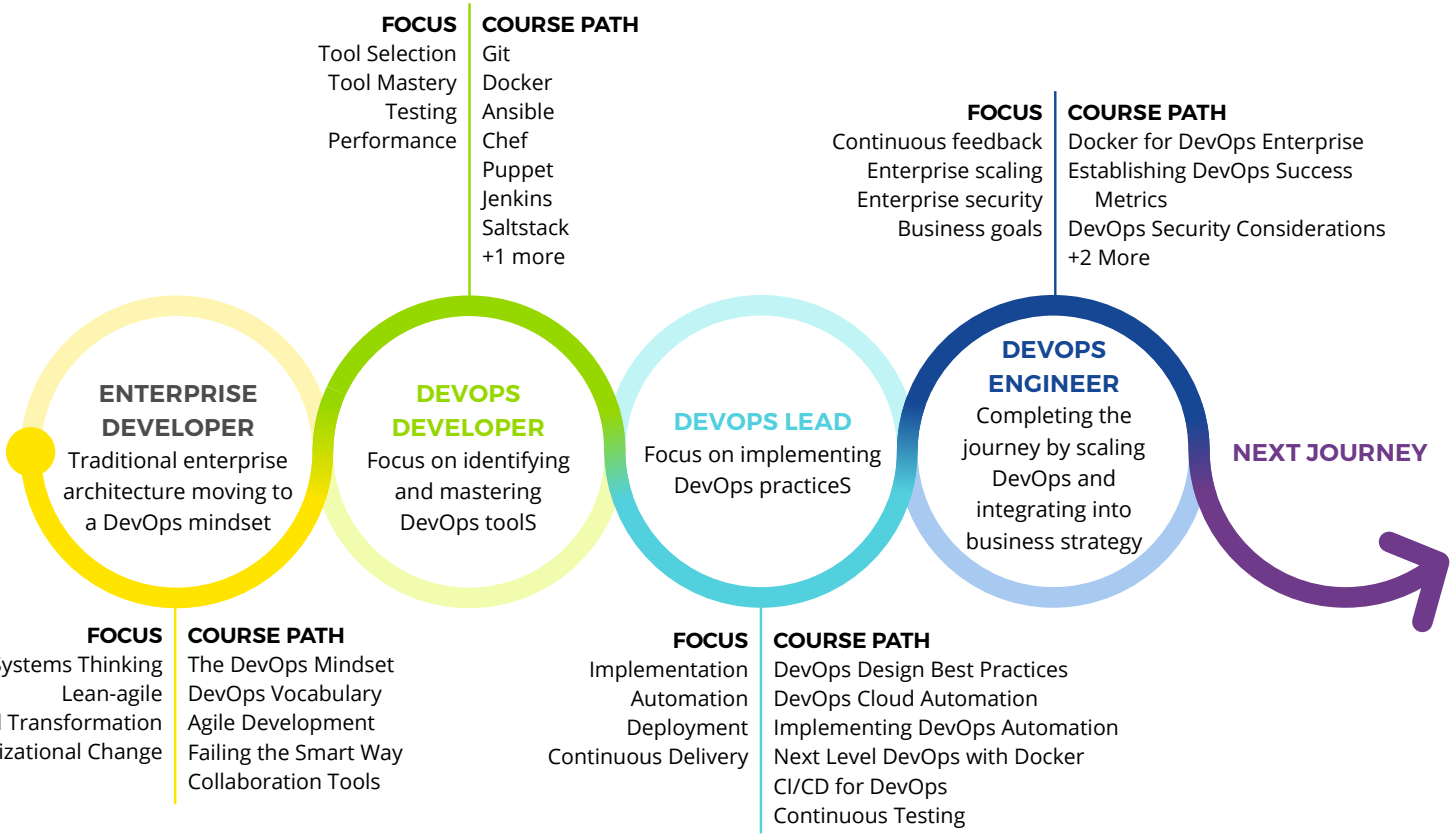
ENTERPRISE DEVELOPER TO DEVOPS ENGINEER



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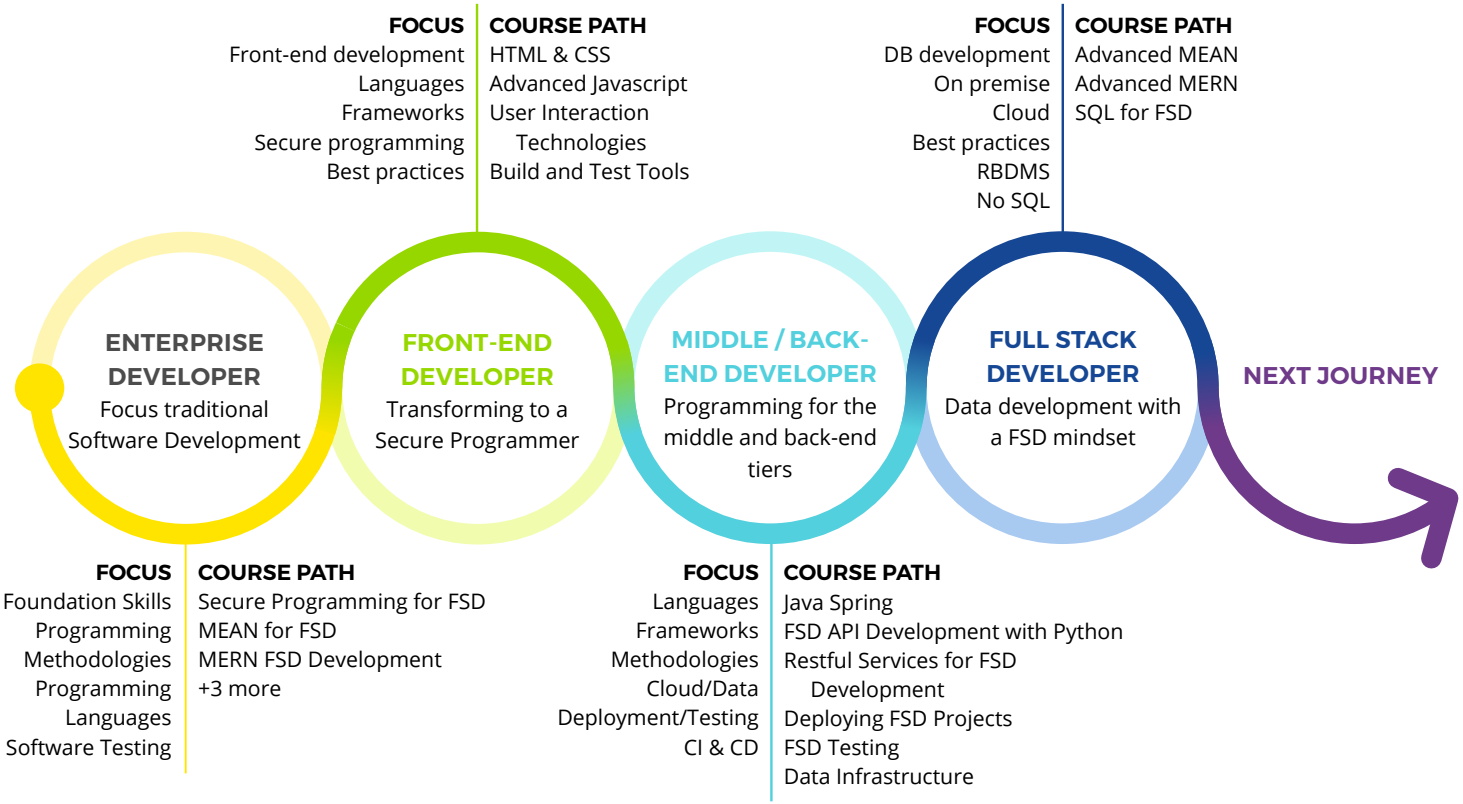
ENTERPRISE DEVELOPER TO FULL STACK DEVELOPER



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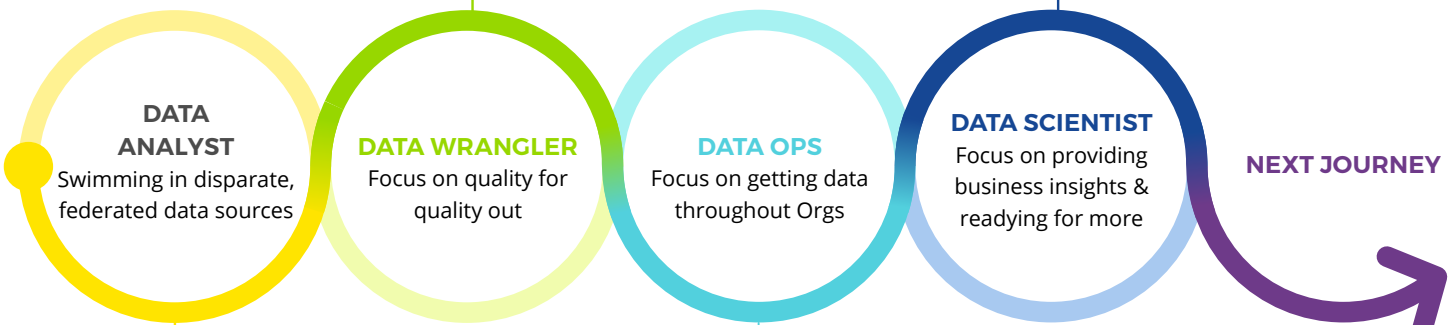
DATA ANALYST TO DATA SCIENTIST



FOCUS
Legacy DBs
Mixed data sources
Siloed data sources
Excel tricks
Brittle systems
Not at scale

COURSE PATH
Python for Data Science
R for Data Science
Statistics for Data Science #1
Hadoop: Getting Started
Spark: Up & Running
HDFS: Up & Running
Data silos, Lakes and Streams
+4 more

FOCUS
Normalization
Cleaning
Structuring
Automation
Transformation

COURSE PATH
Data Wrangling w/ Python/Pandas
MongoDB for Data Wrangling
Cleaning Data in R
Data Lakes in Practice
Building Data Pipelines
Accessing Data with Spark
Getting Started with Hive
+4 more

FOCUS
Real Time Pipelines
Governance
Scaling/backup strategy
Security
Integration

COURSE PATH
Streaming Data Architectures
Scaling Data Architectures
Enterprise Governance Strategies
Secure Data Sources from the Edge
Data Rollbacks
Governance Policies and Access
+5 more

FOCUS
Insights/Knowledge
Verifiable, Veracity
Scientific approach
Communication
Visualization

COURSE PATH
Raw Data to Insights
Data Pipeline to Tableau
Creating RT Dashboards
Powering Recommend Engines
Advanced Architectures
ML & DL Algorithms
Storytelling with Data
+5 more

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NOVICE DEVELOPER TO PYTHONISTA

FOCUS
Getting Started with Python
Linked Lists
Arrays
Constructs
Language Basics
Programming Style
Frameworks and Library
Object-Oriented Concepts / Exploration
Error Handling
Basic Testing

COURSE PATH
Working with Complex Data Types in Python
Python Conditional Statements and Loops
Python First Class Functions and Lamdas
Getting Started with Python

FOCUS
Working with Complex Data Types
Lists, Strings as Lists
Conditional Statements
First Class Functions and Lambdas
Deep and shallow copies of data
Conditional Statements and Loops
Loops for rangers, lists dictionaries
Break and continue statements
Unit Testing

COURSE PATH
Advanced Topics in Python
Classes and Inheritance in Python
Data Structures and Algorithms in Python

FOCUS
Classes and Inheritance in Python
Initialization/special methods in classes
Parent, derived & abstract base classes
Advanced Topics in Python
Regx, APIs, Working with files
Exception and debugging
Member variables
Automated Testing Strategies

COURSE PATH
Building Web Apps Using Flask in Python
Design Patterns in Python
Multithreading and Concurrency in Python
Working with HTTP Requests in Python

FOCUS
Advanced Data Structures and Algorithms
Complexity / Big-O notation
Binary Trees
Sorting, searching, and algorithms
Design Patterns, python idioms
Best Practices & APIs
Graph & graph algorithms
Continual testing strategies

COURSE PATH
Developing and Debugging Using the PyCharm IDE
Hashing and Encryption Algorithms in Python
Network Programming and Sockets in Python
Unit Testing in Python using unit test and PyUnit
Wrangling Excel Data with Python

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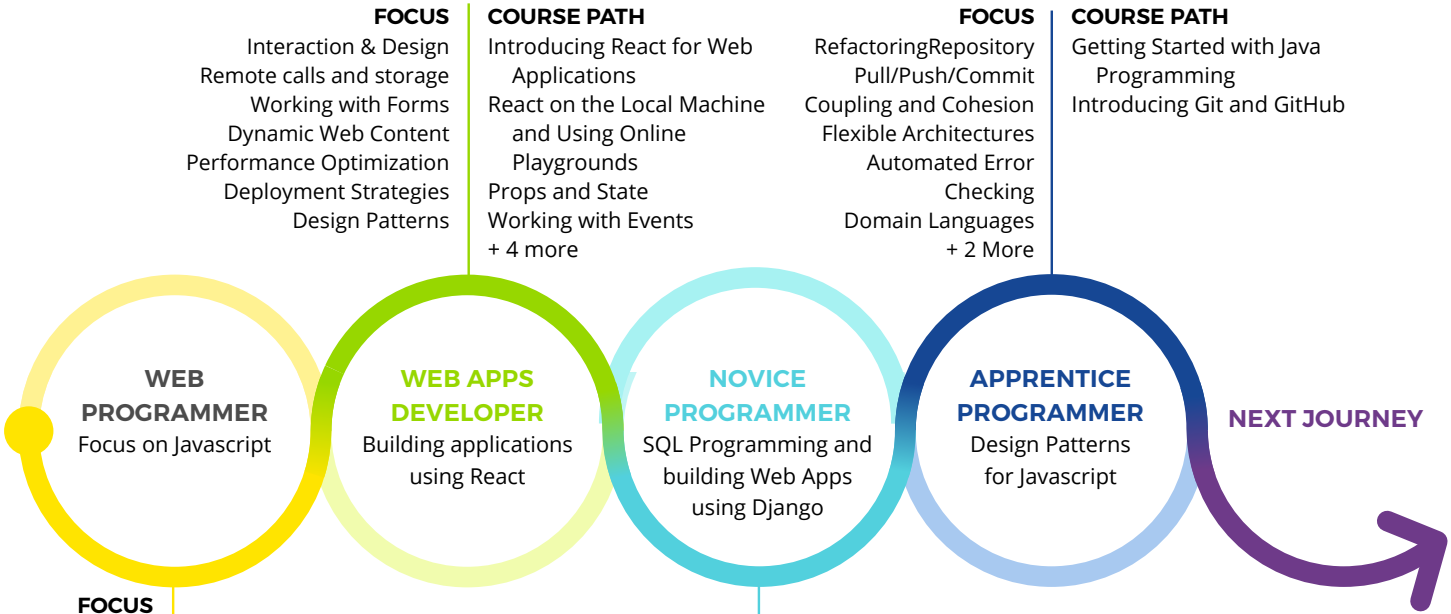
WEB PROGRAMMER TO APPRENTICE PROGRAMMER



FOCUS
Javascript basics
Testing scripts
Library use and management
Local device programming
Basic Functions, Methods
Building functions not apps
Unit Testing

COURSE PATH
Getting Started with JavaScript Programming
Types, Operators, and Control Structures in JavaScript
Functions and Arrays in JavaScript
Getting Started with TypeScript
+ 2 More

FOCUS
Interaction & Design
Remote calls and storage
Working with Forms
Dynamic Web Content
Performance Optimization
Deployment Strategies
Design Patterns

COURSE PATH
Introducing React for Web Applications
React on the Local Machine and Using Online Playgrounds
Props and State
Working with Events
+ 4 more

FOCUS
Flexible,Dynamic & adaptable
Building for Reuse
Coding Style
Balancing Automation
SQL Programming

COURSE PATH
Getting Started with MySQL
Creating and Updating Tables in MySQL
Querying Data in MySQL
Understanding and Implementing Joins in MySQL
Grouping and Aggregation Operations in MySQL
+ 9 More

FOCUS
RefactoringRepository
Pull/Push/Commit
Coupling and Cohesion
Flexible Architectures
Automated Error Checking
Domain Languages
+ 2 More

COURSE PATH
Getting Started with Java Programming
Introducing Git and GitHub

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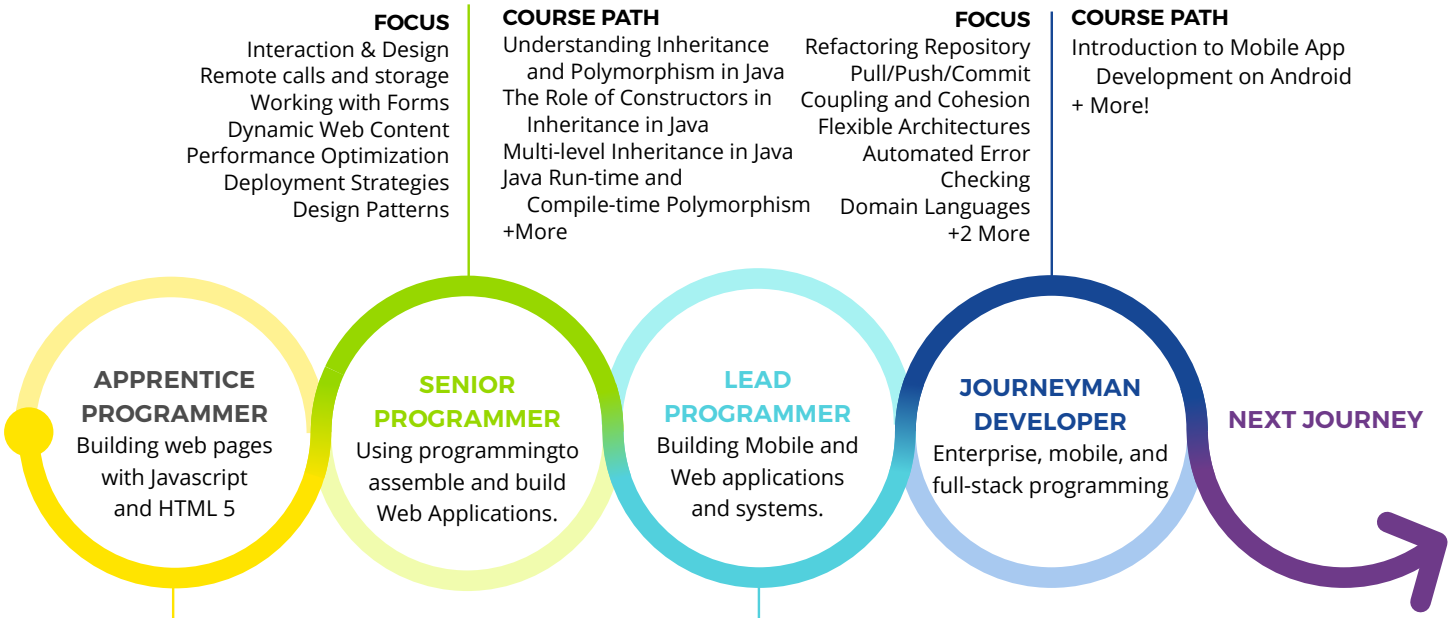
APPRENTICE DEVELOPER TO JOURNEYMAN



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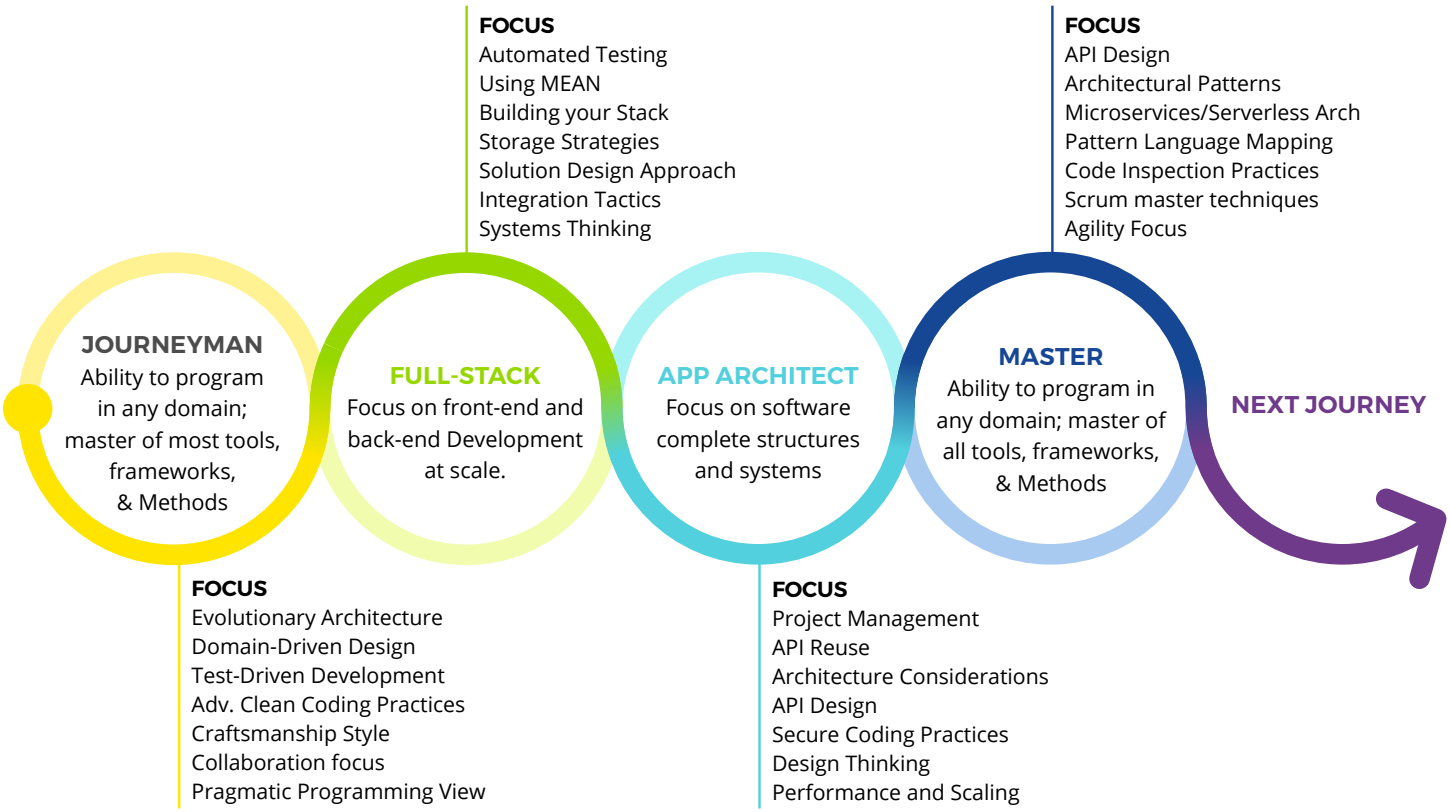
JOURNEYMAN DEVELOPER TO MASTER - Course Paths COMING SOON!



skillsoft
Authorized Partner

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