



5 Courses

Functional Programming
Principles in Scala

Functional Program Design
in Scala

Parallel programming

Big Data Analysis with Scala
and Spark

Functional Programming in
Scala Capstone

EPFL

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Aleksandr Smetanin

has successfully completed the online, non-credit Specialization

Functional Programming in Scala

This Specialization begins from the basic building blocks of the functional paradigm, first showing how to use these blocks to solve small problems, before building up to combining these concepts to architect larger functional programs. You'll see how the functional paradigm facilitates parallel and distributed programming, and through a series of hands on examples and programming assignments, you'll learn how to analyze data sets small to large; from parallel programming on multicore architectures, to distributed programming on a cluster using Apache Spark. A final capstone project will allow you to apply the skills you learned by building a large data-intensive application using real-world data.

Alex. Prokopec *Viktor Kuncak*
Heather Miller *Martin Odersky*

Martin Odersky,
Professor

Heather Miller,
Research Scientist

Viktor Kuncak, Associate
Professor

Aleksander Prokopec,
Principal Researcher

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