

# EDUCATION

## PYTHON DEVELOPER

### FULLSTACK & CLOUD



## ARE YOU TOMORROW'S DEVELOPER AND DESIGNER OF PYTHON APPLICATIONS OR PERHAPS AI APPLICATIONS?

Getting started with coding is easy, but to pursue it as a profession, one needs to master it at a higher level. This training allows you to take the leap towards becoming a professional developer, equipping you with the knowledge and tools you need to succeed.

In a unique blended learning solution, you will receive personal guidance from professional IT instructors. You will learn through hands-on labs, practice assignments, lectures and self-study. You will gain the knowledge and skills in programming to independently create IT systems, applications, and muchmore.

This can be the beginning or continuation of an exciting and rewarding career with excellent long-term career opportunities!





# PYTHON EDUCATION FOR PEOPLE WITH PREVIOUS SYSTEM DEVELOPER SKILLS OR EXPERIENCES

## HOW IT WORKS

The education is free, and you qualify through your local Employment Service (Arbetsförmedlingen), which considers your previous knowledge in IT and English. Tests will be conducted to assess your prior knowledge. The education is full-time and lasts for approximately five months with flexible learning. It is followed by a 12-week internship at organizations willing or in need of programmers and system developers. The education is instructorled and includes labs and practice assignments.

## WHO IS IT SUITABLE FOR

The education and profession are suitable for individuals who either have some background in IT or a strong interest, experience, or knowledge in an IT area. The content is also suitable for those who already have a good understanding of programming and want to become even more proficient.

## WHAT ARE THE CONTENT

We reserve the right to change parts of the content, this is guide to what you will be learning during the five-month training:

- **Python Programming Basics:** HTML, CSS, JavaScript, Python, Scrum/Agile, UI/UX principles, Git, GitHub
- **Advanced Python Development:** Object-oriented programming, Web development with Django and Flask, REST APIs
- **Databases:** SQL, NoSQL, MongoDB, Cosmos DB, MySQL, SQLite
- **Cloud & DevOps:** Microsoft Azure, Replit, DevOps fundamentals, Docker, AI-900 certification prep, Intro to Web3
- **AI & Data Analysis:** Introduction to AI and machine learning, Advanced machine learning, Deep learning, AI ethics, AI agents
- **Capstone Project – E-Commerce Web Application:** Build a full-featured e-commerce site using Django, JavaScript, HTML, CSS, and MySQL

## CONTACT AND MORE INFORMATION

Märet Wahlbom

08-511 611 00

[infoaf@lexicon.se](mailto:infoaf@lexicon.se)

Bolidenvägen 14, Stockholm