

SYSTEM DEVELOPER

IT SECURITY

IT EDUCATION FOR THE FUTURE!

This course will teach you on the most advanced tools and techniques used by developers. We will put you in the driver's seat of an interactive, hands-on learning environment that challenges you to be prepared for modern technologies.

You also learn how to build secure modern interactive web technologies and defend yourself and organizations. Sought-after knowledge that leads to work.

HOW IT GOES

The course is free of cost for you and you are qualified by your local Arbetsförmedlingen office. The course is between 22-30 weeks long and it's implemented in blended form. The course is followed by internship at an organization with need of IT Security.

WHO IS IT FOR?

The System developer course is suitable for you who already know a lot in IT and are curious to learn even more in the subject and become a fullstack developer. You have the curiosity and a good sense of problem solving. Your job will be very much about how you solve real world problems and learn how to protect yourself from malicious hackers!

WHAT CAN YOU WORK WITH?

- Cloud developer
- IT security consultant
- Fullstack developer
- Web developer
- Backend developer

COURSE CONTENTS

- Python programming basics
- Python programming Advanced
- Backend
- Database
- IT-security
- Cloud services



THE CONTENTS OF THE COURSE

All parts contain teacher-led review, laboratory work and exercises.

1. Programming

- Python basics
- Python OOP
- Django, Model-Views-Templates
- Intro to Flask
- HTML, CSS Bootstrap, Tailwind
- Javascript, nodejs
- JQuery
- Basic of React
- UI/UX adobe XD
- Git & Github
- REST API
- Threading
- SQL, NoSQL
- Agile methodologies
- Trello
- Regex
- CMS
- Data structures

2. IT-security

- Basics Linux & Linux terminal, PowerShell
- VPN & Firewalls
- OSI-model
- Network security
- OWASP top 10
- Cryptography
- Encryption
- Certificate management SQL injection, MITM

3. Cloud

- Azure App Services
- Azure Databases
- Azure Virtual Machines
- Azure Function Apps
- Azure Storage
- Python Anywhere
- Heroku, AWS and more

Content may vary as layout is adjusted as needed.



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