



# Why you should NOT hire DevSecOps engineers

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# def \_\_str\_\_(self):

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- Head of Source Code Analysis at
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- Previously worked on AppSec at
  - Align Technology
  - Prom Svyaz Bank
  - ABBYY
- Certifications
  - EC-Council Certified Application Security Engineer
  - Microsoft Certified Azure Security Engineer



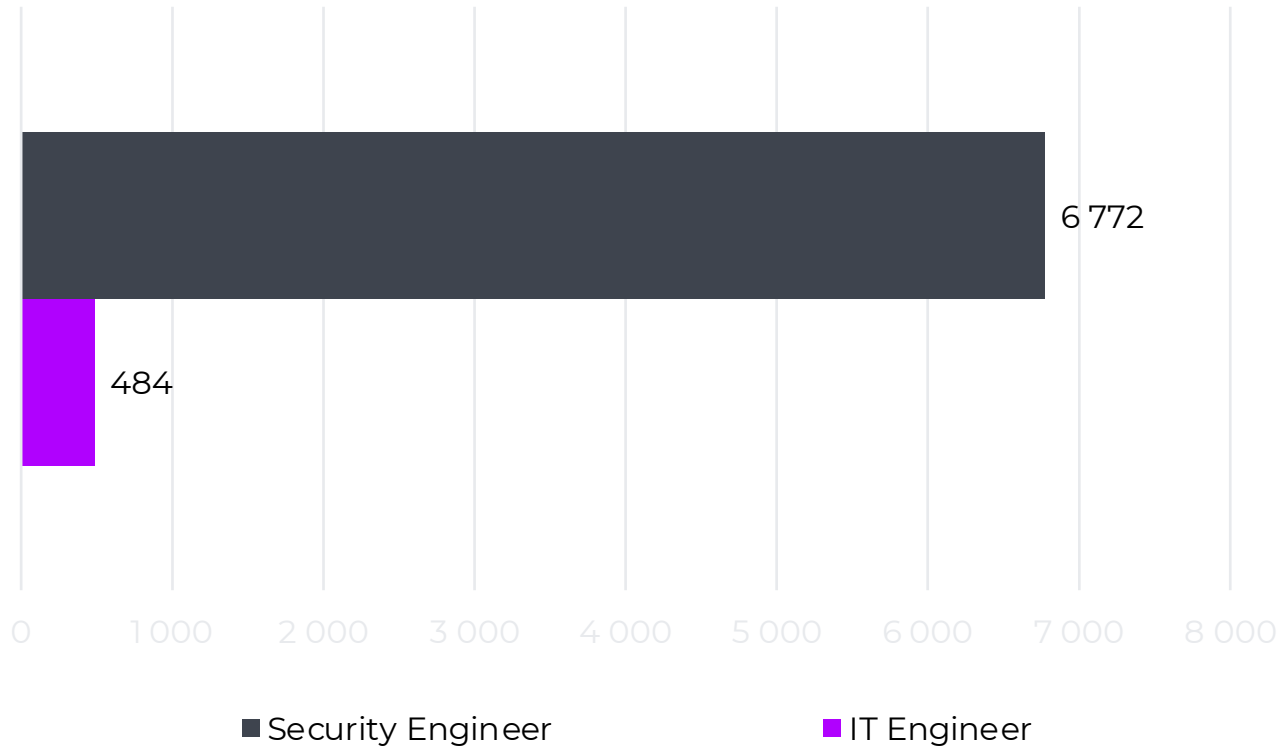
# Just add “Sec” to your DevOps engineers?

- Software Development Lifecycle
- DevOps
- **Secure** Software Development Lifecycle
- DevSecOps (or even SecDevOps!)



# Lessons from the past

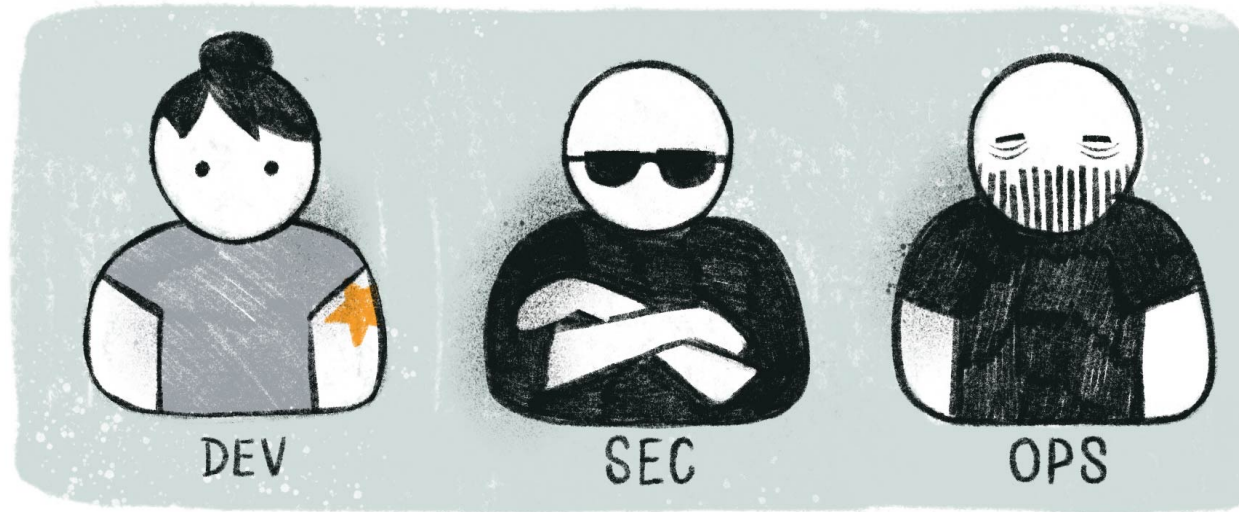
why there are no "IT engineer" positions? (in fact a few still exist)



# Division of labor

All-in-one = only for fun

- Dev-QA-Ops? DevSalesOps?
- Specialization rules



# Separation of duties

- combining DevOps and Security violates the "separation of duties" principle
- DevOps = IaC dev nowadays



# DevOps is getting complicated

- DevOps workload is getting more and more complicated (Cloud Native apps etc), no room for adding Security to it



# AppSec is quite a thing

- Know a myriad of CWE's
- Triage findings
  - filter out false positives
  - assess exploitability
  - adjust severity of each findings
- DevOps engineers are no real programmers even!





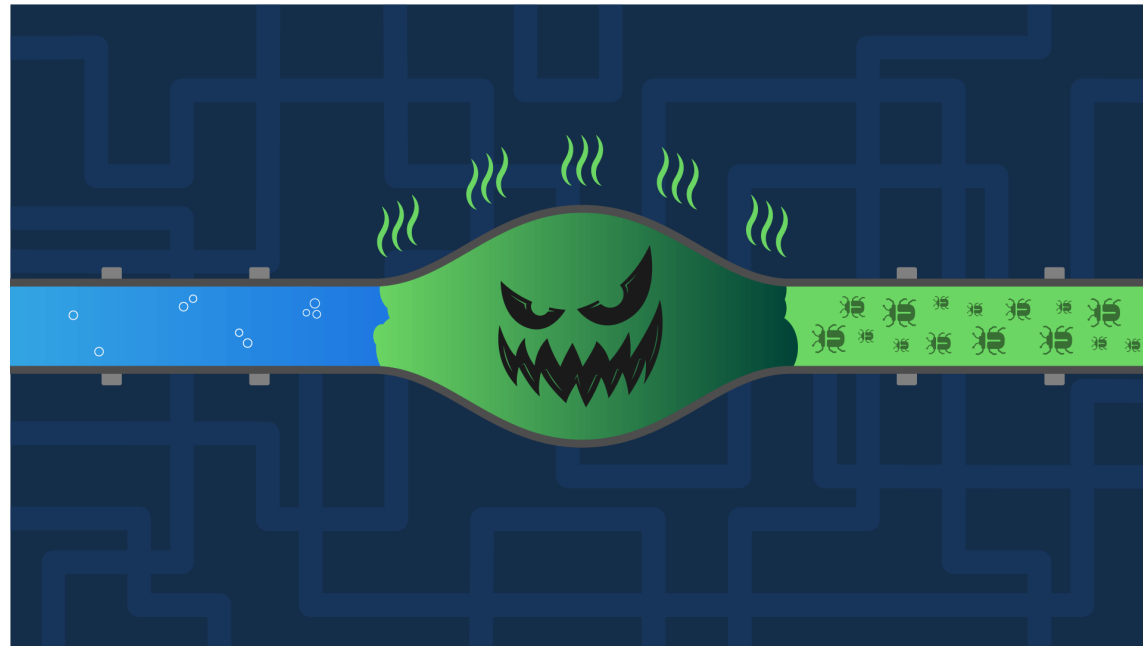
# SAST/DAST: plug'n'pray?

- integrating sec tools into pipelines is no big deal (follow the manual)
- But you can't just plug in SAST/DAST tools and relax, you need to ensure they were chosen+tuned properly and don't miss vulnerabilities



# Clogged pipelines

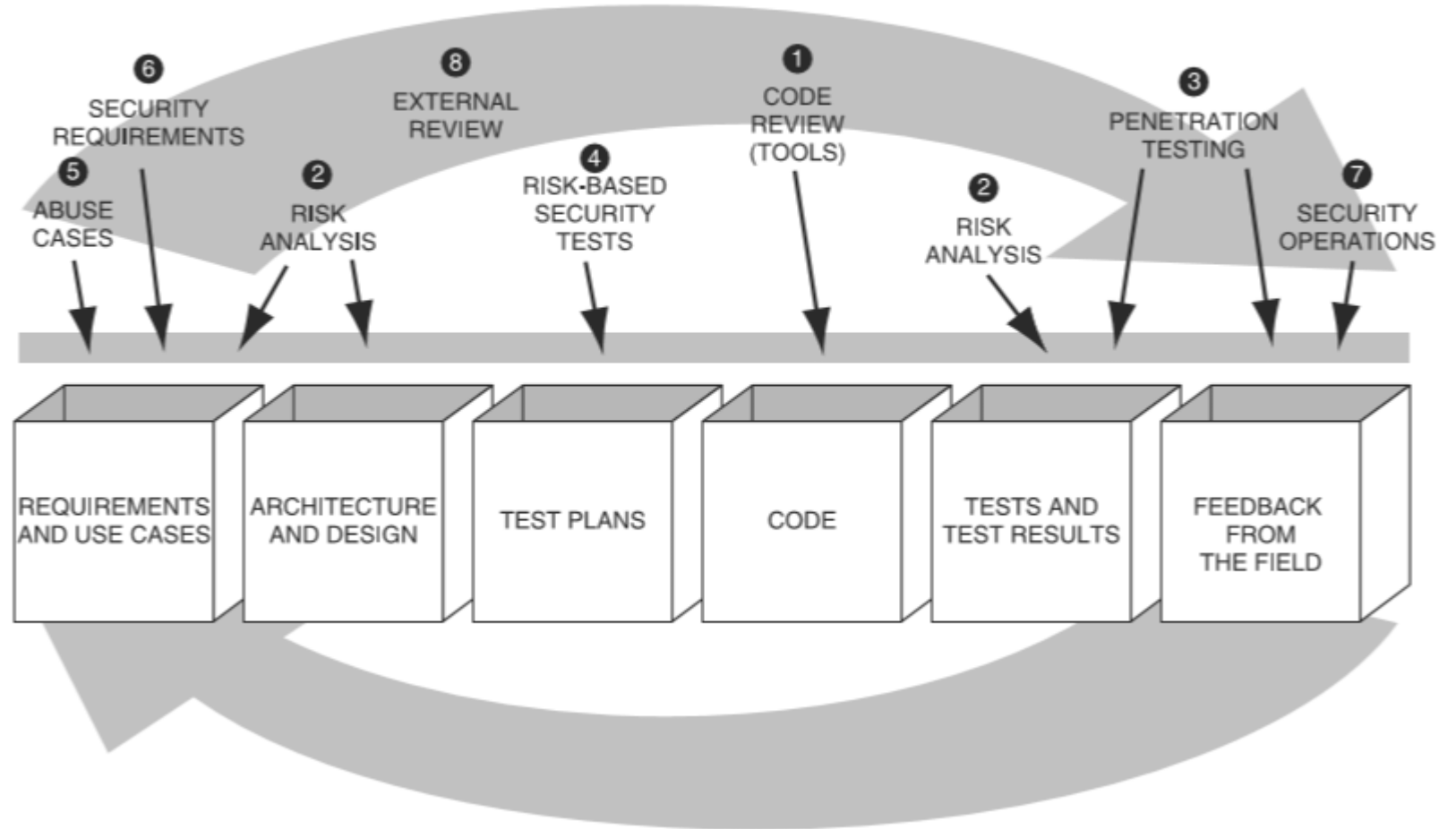
- inserting AppSec scanners into CI/CD pipelines is often questionable
- longer builds
- build failures triggered by false positive alerts



# SDLC segments not covered by CI/CD tools

Above DevOps' paygrade:

- Threat modelling
- Security requirements
- Incident response
- WAF tuning
- Devs training
- Manual pentest

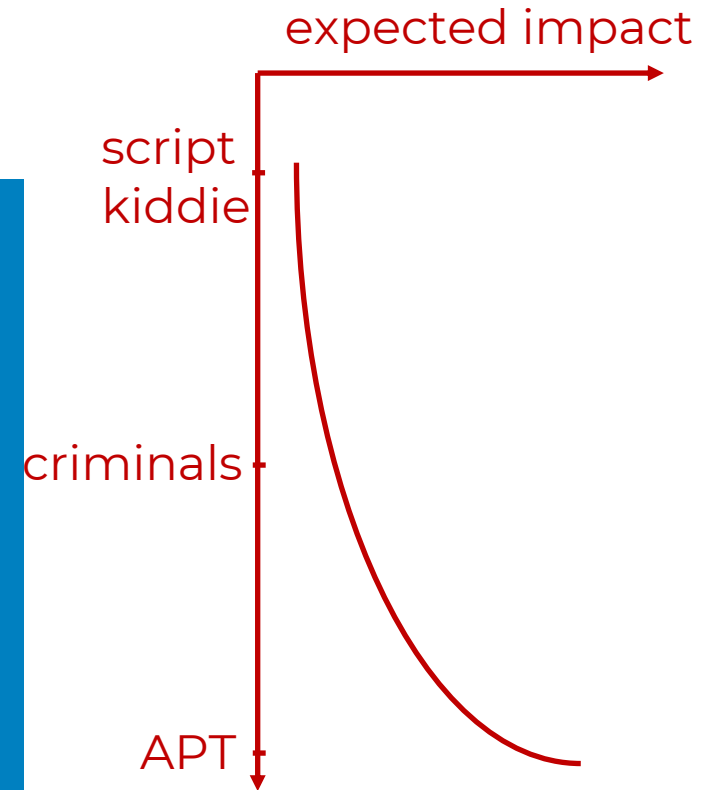
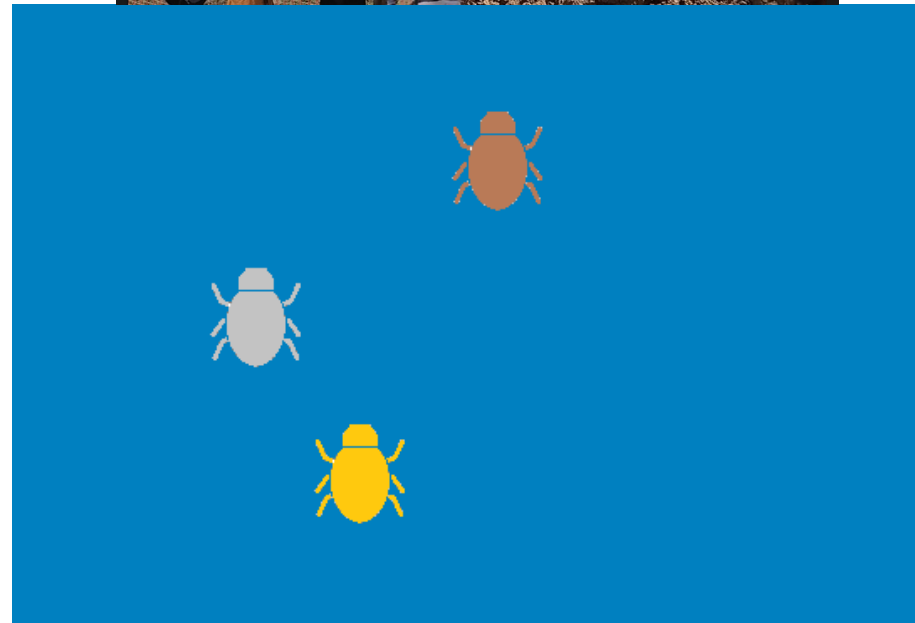


# AppSec is a Digging Contest

And qualification matters



beginner  
skilled  
expert



# Meet the Brain Surgery Dentist

(Recruiter's Nightmare)

- Brain surgeons and dentists deal with heads
- AppSec and DevOps engineers deal with code
- So why don't let DevOps do application security?..



*I can feed only one person at a time. Just one, one, one.*

Mother Teresa

- No budget for AppSec + DevOps?
- Maybe you are just not ready for DevSecOps
- Or you should outsource AppSec functions
  - Easier to manage
  - Less risk of the wrong pick
  - HR will be grateful

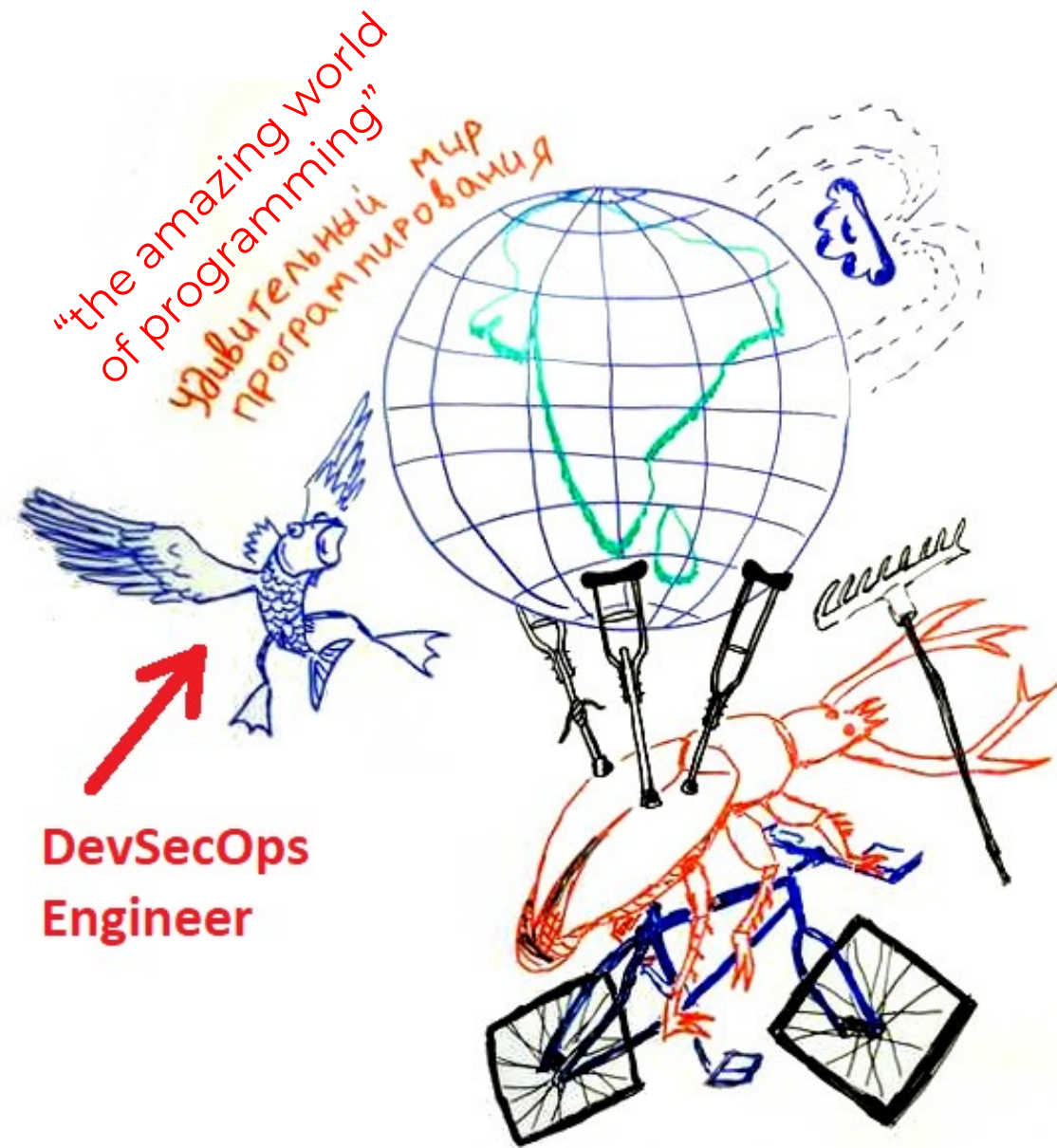


# Miser pays twice

- attempts of saving money by aggregating everything in one DevSecOps role will likely result in spending more resources with no positive impact on product security



- DevSecOps is a feasible concept.
- DevSecOps engineer is a phantom chimera.







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