

Bots in Software Engineering and their impact on development

Linda Erlenhov
Chalmers University of Technology
linda.erlenhov@chalmers.se

Keynote abstract

Bots that support software development ("DevBots") are seen as a promising approach to deal with the ever-increasing complexity of modern software engineering and development. Existing DevBots are already able to relieve developers from routine tasks such as building project images or keeping dependencies up-to-date. In this talk I will outline what DevBots are, how developers use and relate to bots, and will end with a few key takeaways:

- Not all tools that developers refer to as bots are utilising some type of AI/ML/NLP
- Software engineers expect to become "better" and "more productive" using DevBots
- Interactions need to be carefully thought out, especially due to the collaborative nature of DevBots