



Building a bot using Python3


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Introduction

Oleg Fiksel

- Passionate about tech
- Like to automate everything
- Several years with [Matrix](#)
-  contributor to [Opsdroid](#)

What is Matrix?

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Matrix is an open network for secure, decentralized, real-time communication.

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- Matrix is commonly used as a chat network
 - There a great concept of Bridges

Bots in Matrix

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- In Matrix there is no difference between a bot and a real user
- Howto
 - Create a user
 - Get an access token (or username/password)
 - Connect

Bot frameworks

A incomplete list of bot frameworks (and bots):

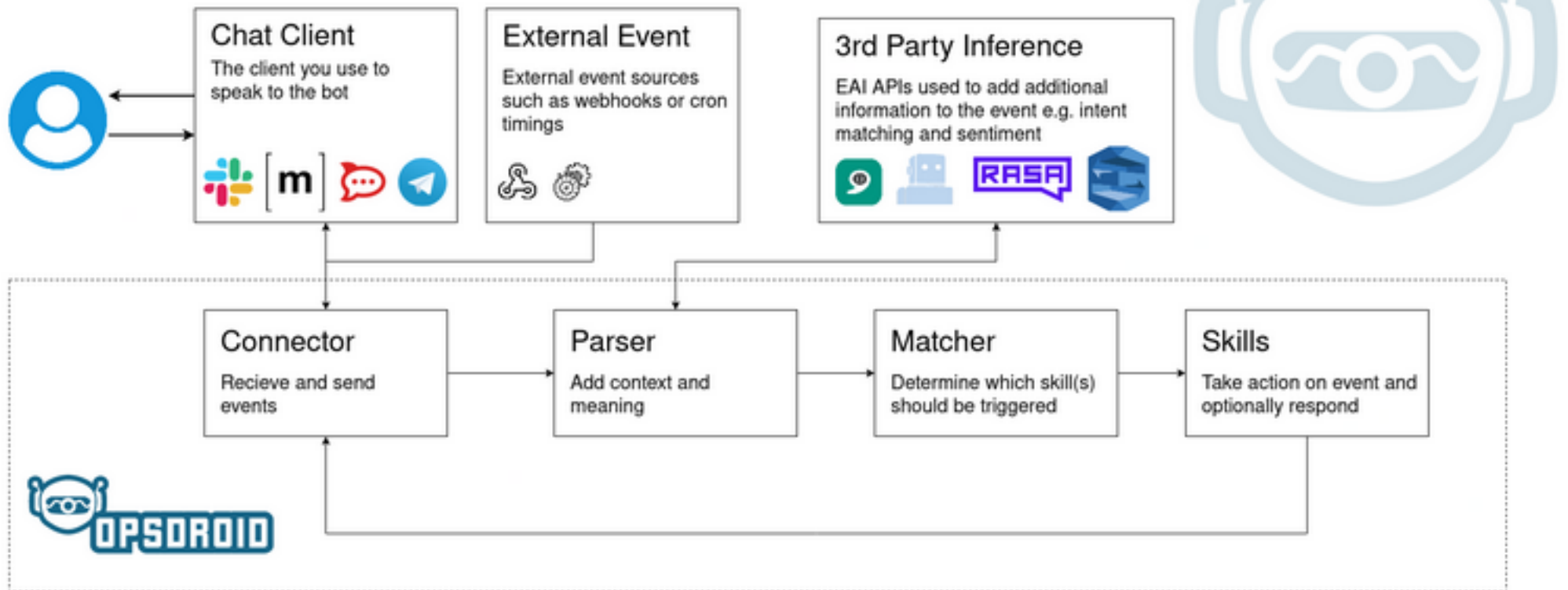
- [Opsdroid](#) (Python)
- [Maubot](#) (Python)
- [matrix-bot-sdk](#) (TypeScript/JavaScript)
- [Simple-Matrix-Bot-Lib](#) (Python)
- [Hemppa](#) (Python)
- [Go-NEB](#) (Go)
- [matrix-rust-sdk](#) (Rust)
 - [MRSBFH](#) (Rust)
 - [hebbot](#) (Rust)





Designed to take messages from chat services and execute Python functions (skills) based on their contents.

Event flow





Demo time!

Thanks!

Oleg Fiksel

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Links

- [Code used in the demo](#)
- [Opsdroid Matrix channel](#)
- [Opsdroid Rasa parser documentation](#)
- [E2EE with Matrix in opsdroid](#)
- [Opsdroid Rasa 2.0 support](#)
- [Opsdroid hello skill](#)