AWS re:Invent

ALX313

Developer tools for Alexa

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"Software is easy to make,
except when you want it
to do something new."

Scott Rosenberg

Dreaming in Code: Two Dozen Programmers, Three Years, 4,732 Bugs, and One Quest for Transcendent Software

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Agenda

15 min: Alexa Developer Tools overview

40 min: Demonstrations and questions

Design

- NLU evaluation



Design

- NLU evaluation
- Utterance conflict detection



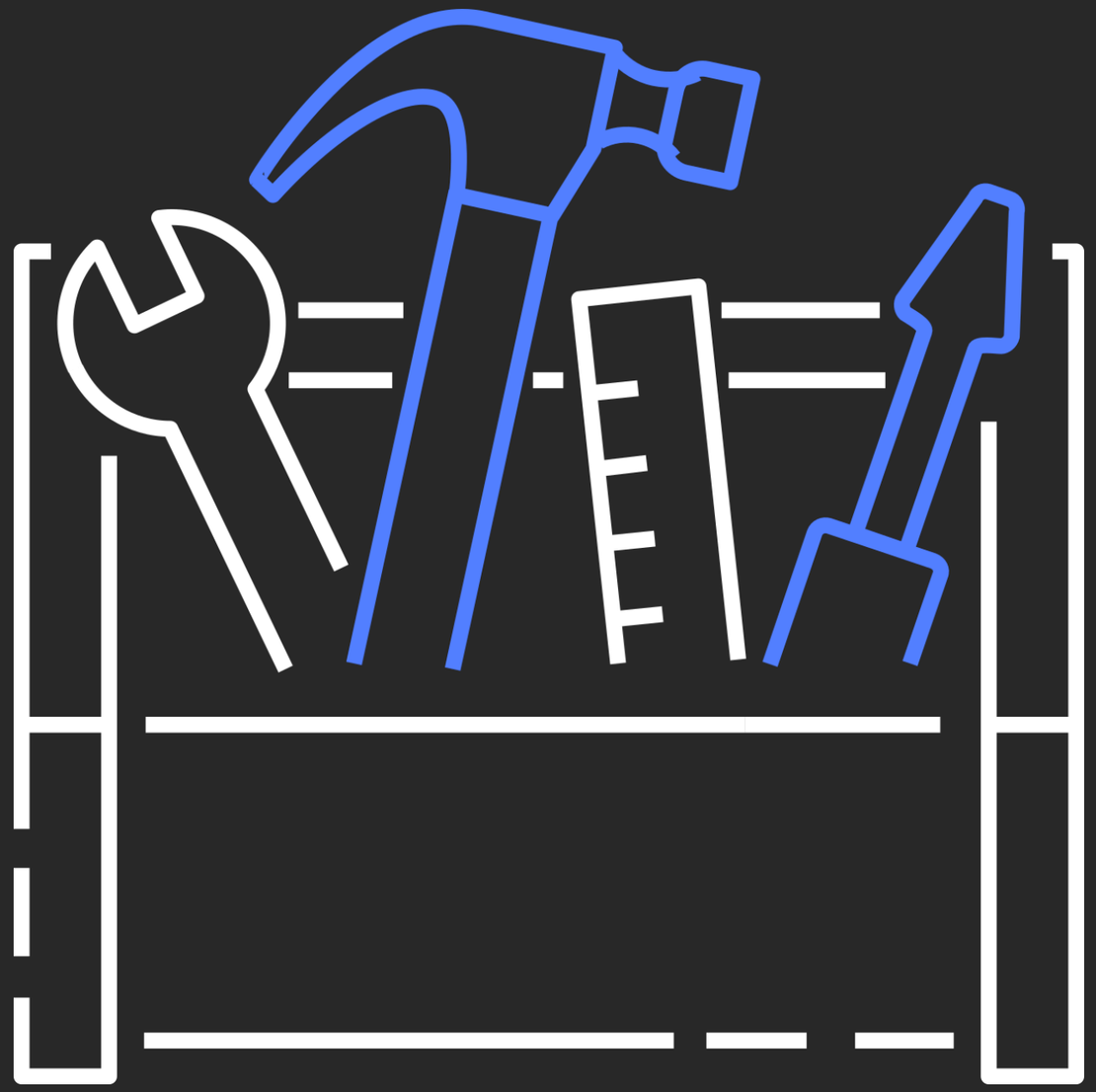
Design

- NLU evaluation
- Utterance conflict detection
- Skill flow builder



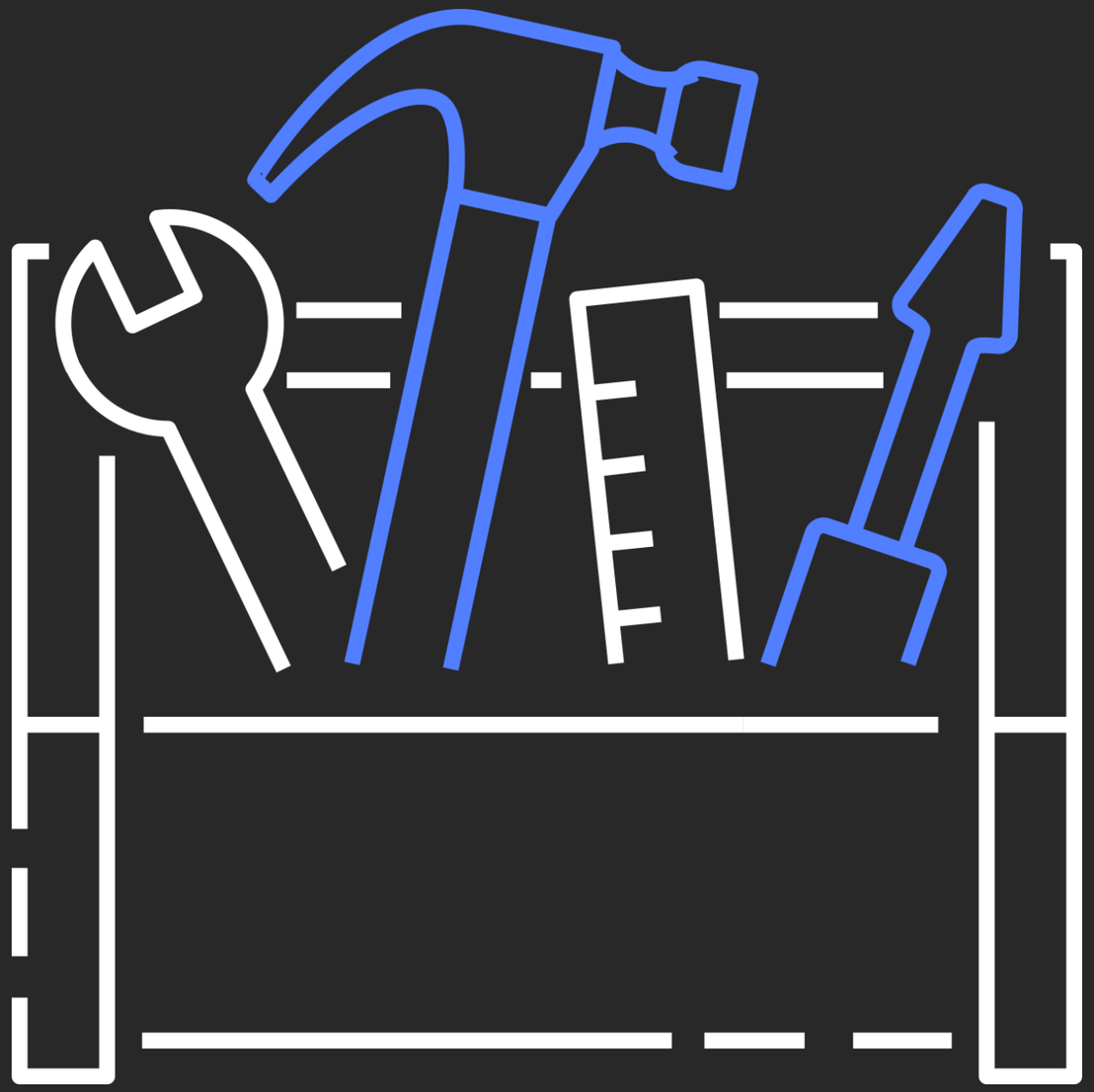
Build

- SMAPI



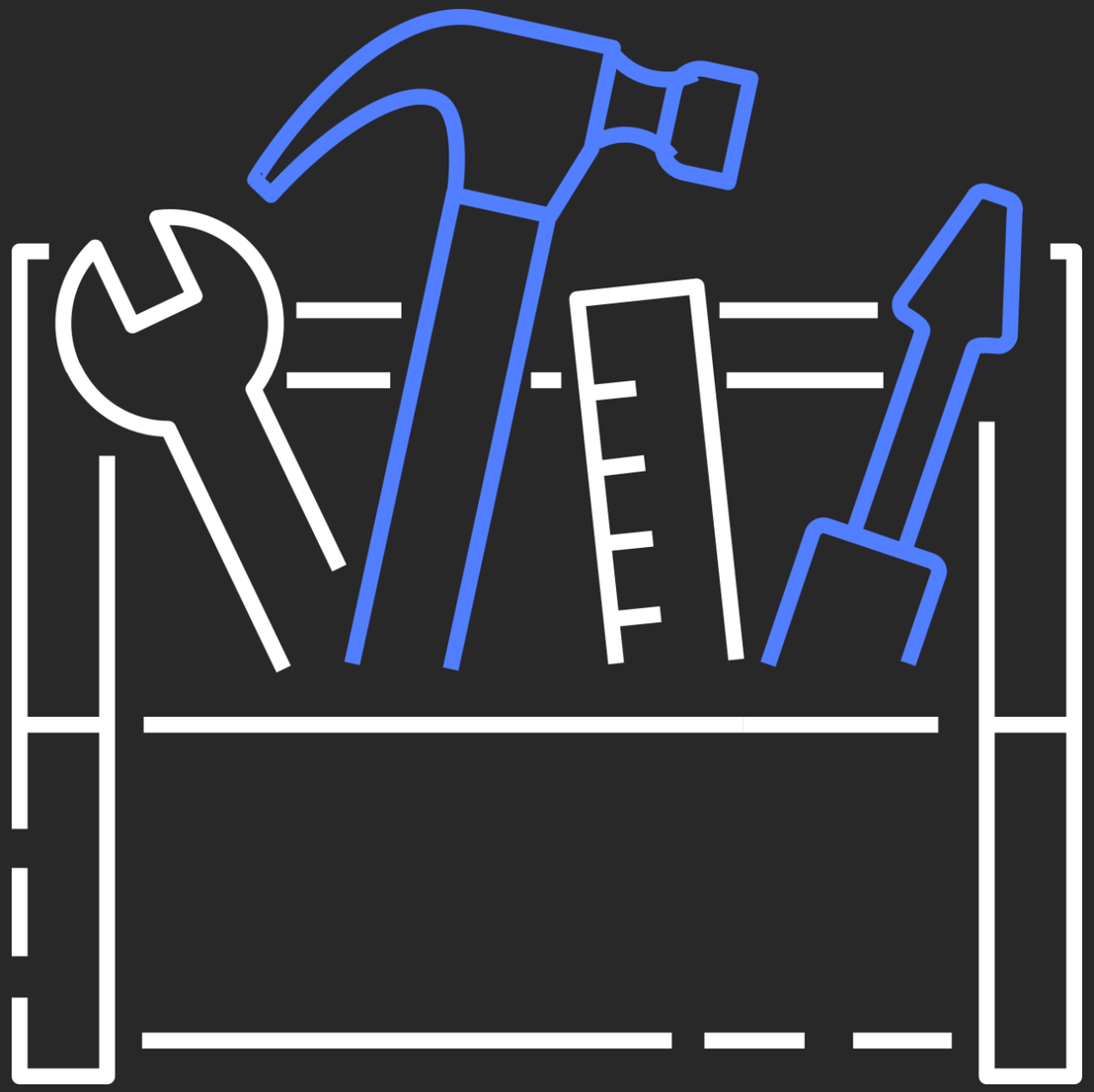
Build

- SMAPI
  - CLI



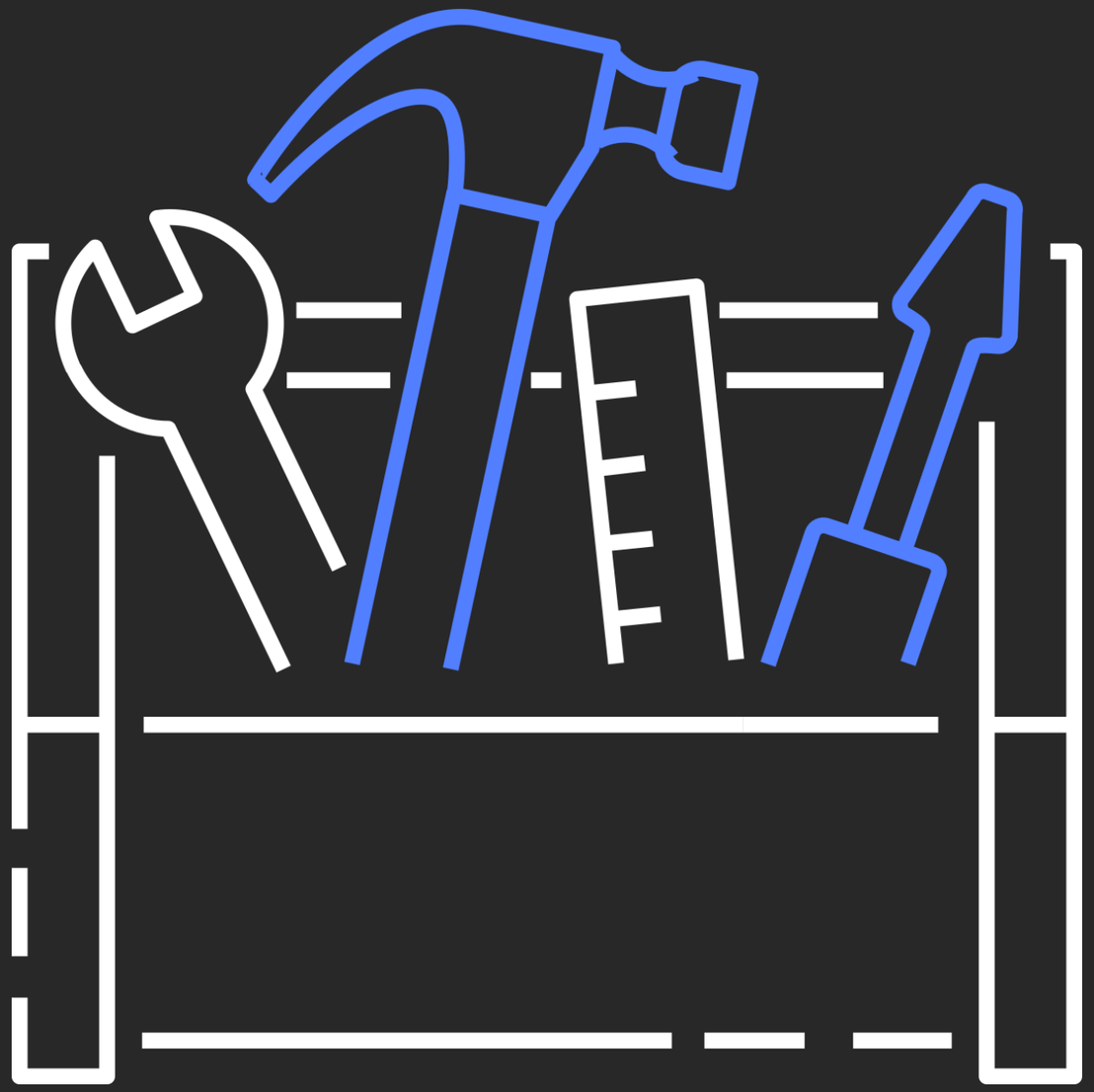
Build

- SMAPI
  - CLI
- ASK SDKs



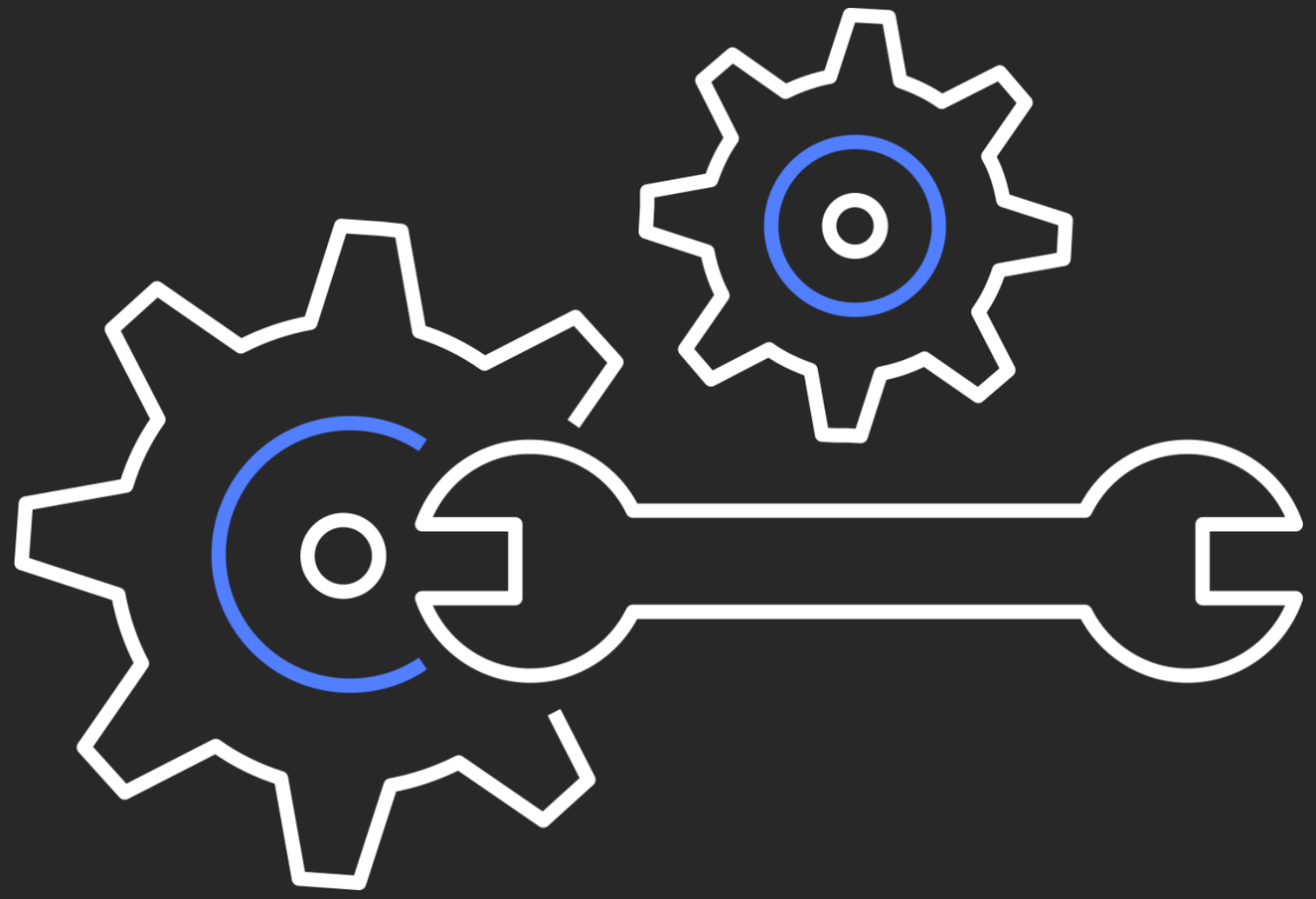
Build

- SMAPI
  - CLI
- ASK SDKs
- Connections



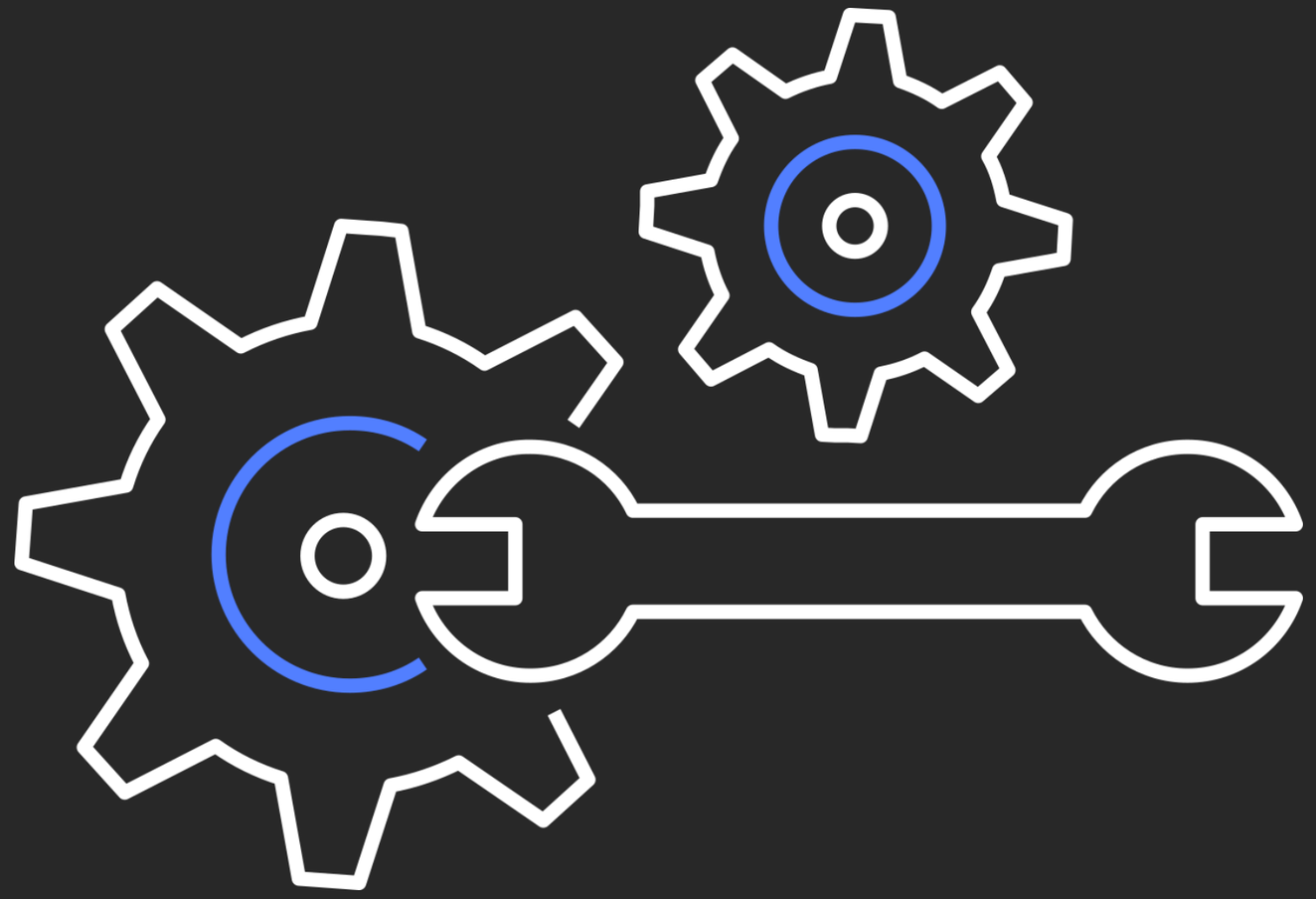
Test & debug

- Alexa simulator



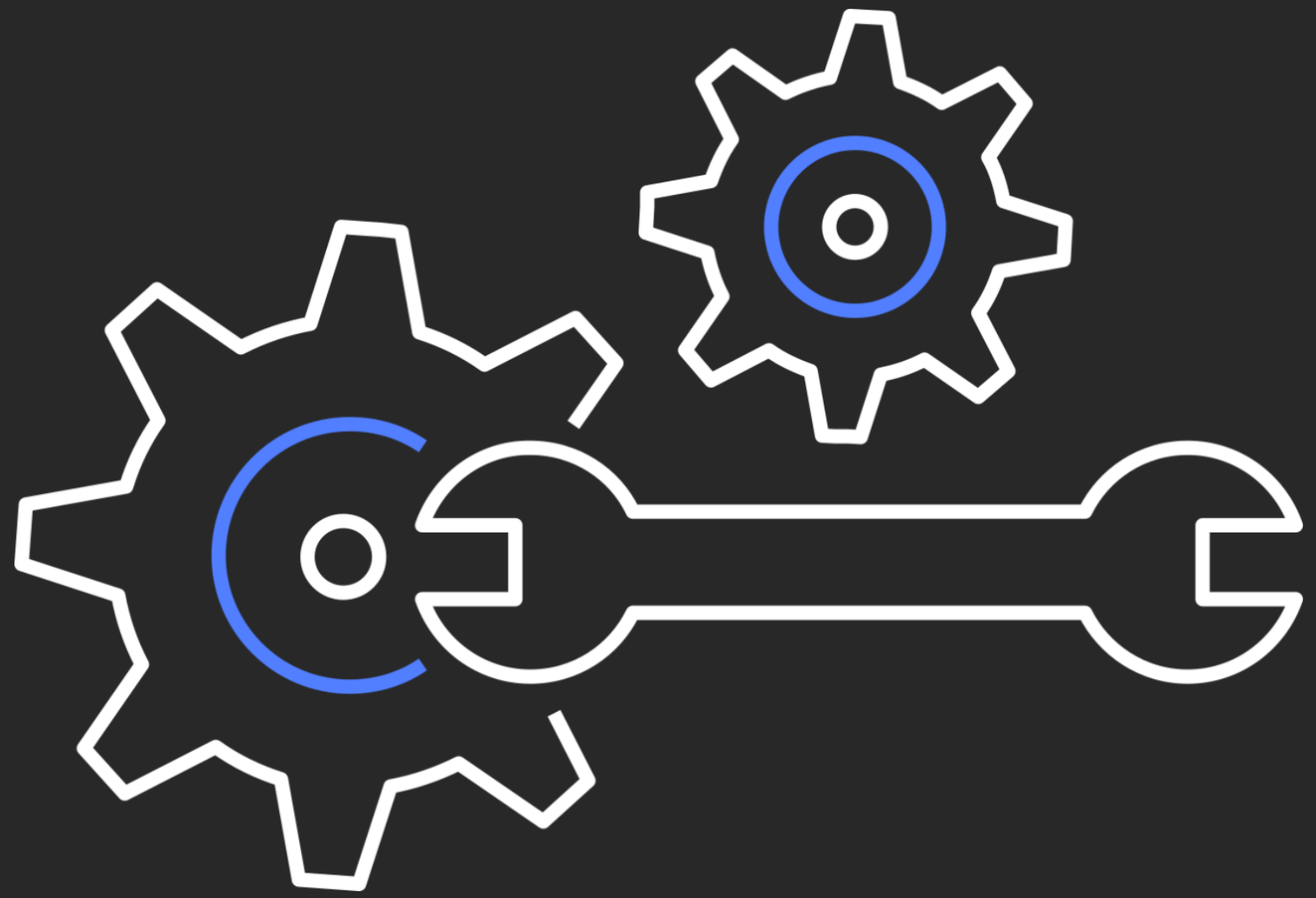
Test & debug

- Alexa simulator
- “Alexa, tell me what you heard”



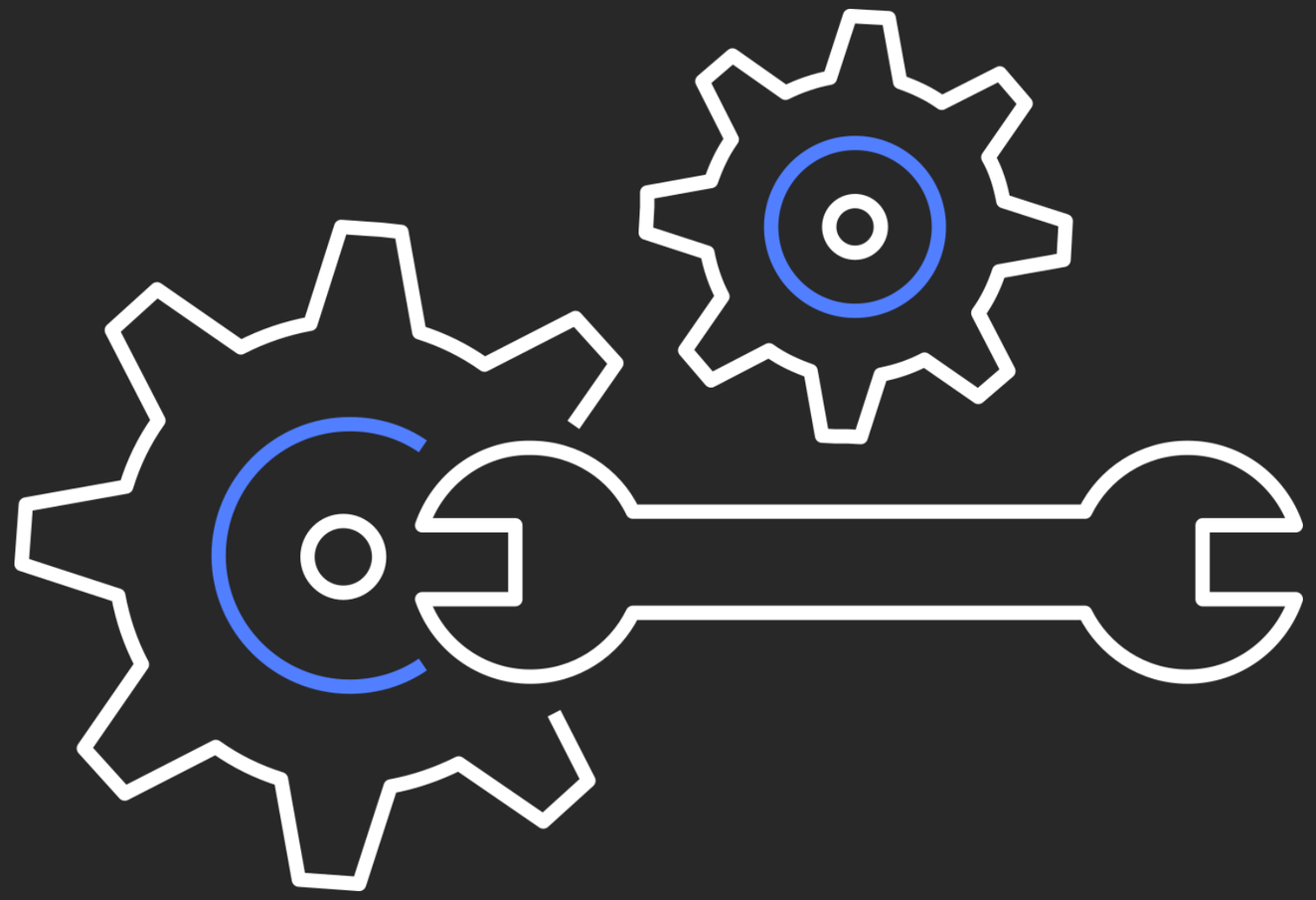
Test & debug

- Alexa simulator
- “Alexa, tell me what you heard”
- Utterance conflict detection



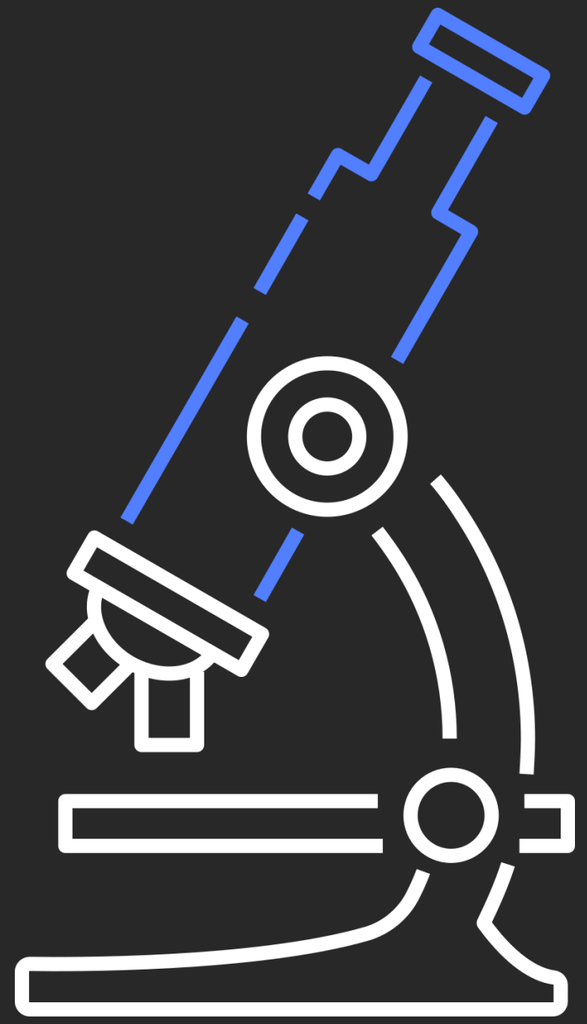
Test & debug

- Alexa simulator
- “Alexa, tell me what you heard”
- Utterance conflict detection
- Amazon CloudWatch Logs



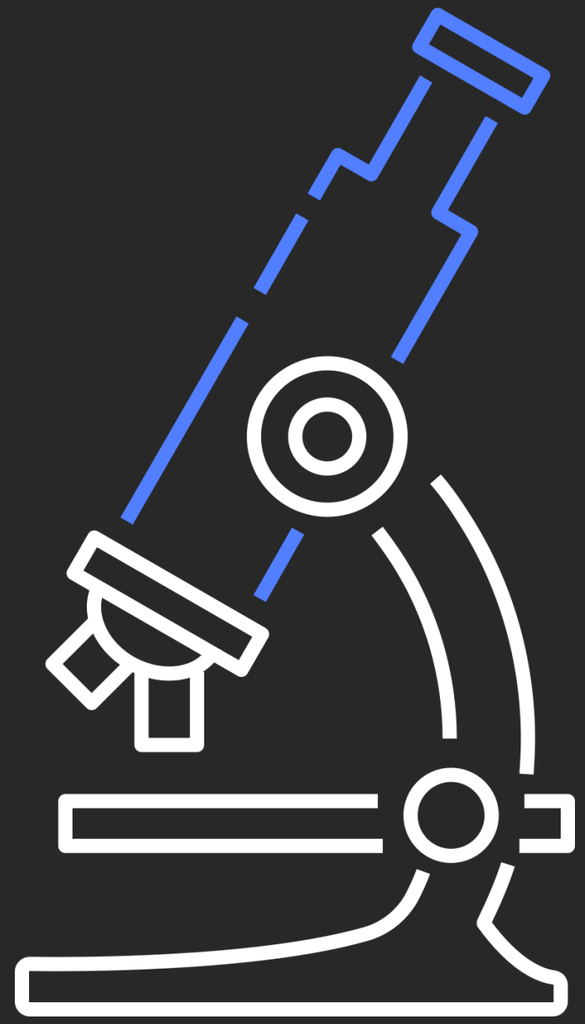
Monitoring & stats

- CloudWatch (logs, alarms, metrics)



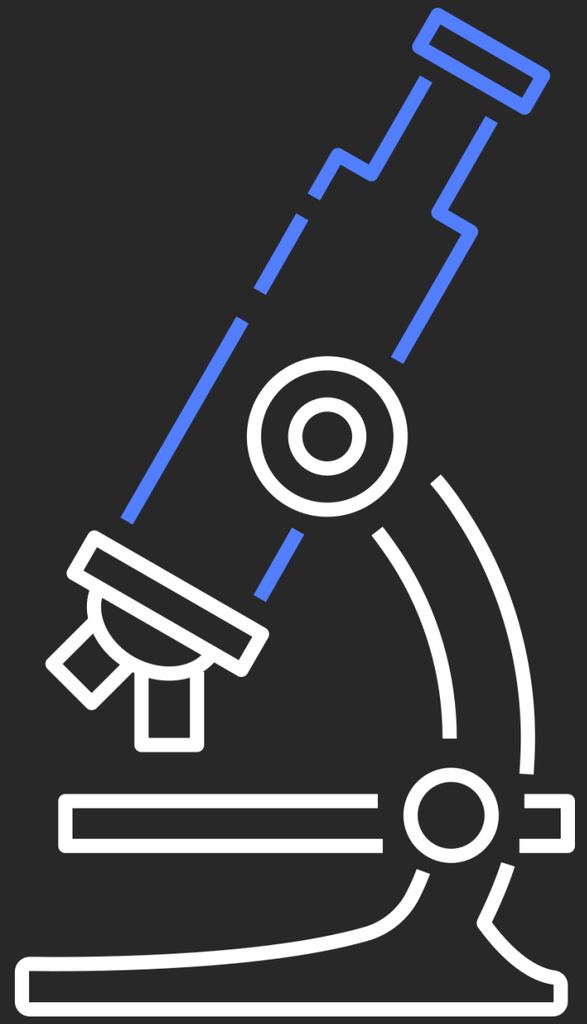
Monitoring & stats

- CloudWatch (logs, alarms, metrics)
- Developer site metrics / metrics API



Monitoring & stats

- CloudWatch (logs, alarms, metrics)
- Developer site metrics / metrics API
- Intent history



Demos & questions

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Thank you!

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