



AI Phone Bot: 1 Call, 0 Hassle, 100% Care

Bc. Hordiichuk Volodymyr, Bc. Kalashnyk Vladyslav, Bc. Bodnar Oleksandr,
Bc. Golovchyk Mykyta, Bc. Sholtys Dmytro

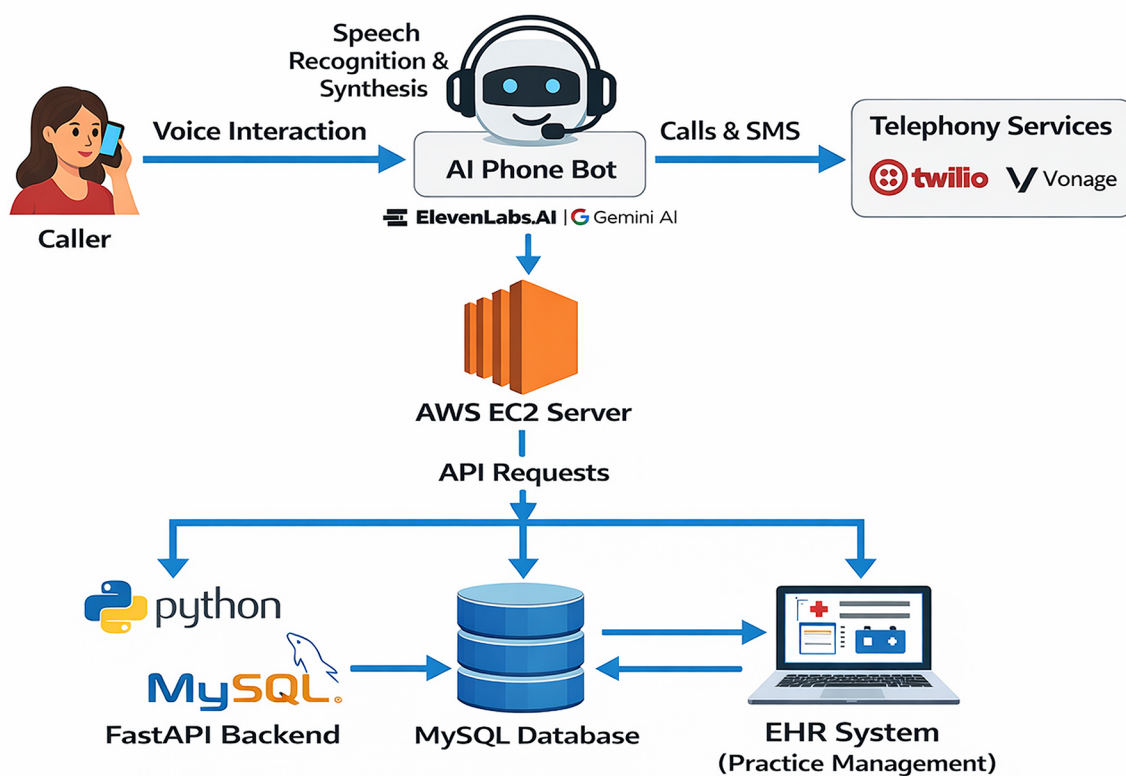
Mentor: prof. Ing. Iveta Zolotova, CSc. Product owner: Bc. Peter Dolina

Problem Description:

In the United States, many service-based businesses particularly in the healthcare sector still rely on traditional phone communication. A large number of patient calls go unanswered or end up in voicemail without follow-up, leading to missed appointments, lost revenue, and poor patient experience. Front desk and support staff are often overloaded with repetitive, low-value tasks instead of focusing on meaningful patient interactions.

Solution Architecture:

AI Phone Bot System Architecture



Solution Features:

- AI phone bot for automated call handling
- Appointment scheduling, rescheduling, and cancellation
- Answers questions about availability and order or service status
- Multilingual support (English, Spanish, French, Czech, Slovak, Ukrainian)
- SMS confirmations and notifications

Solution Evaluation:

- Potential elimination of voicemail
- Estimated labor cost savings of up to 20%
- Reduction of staff workload by over 50%
- Improved customer experience and increased conversion rates

Current Status

The solution has been implemented as a demo platform, and two U.S.-based companies have already expressed interest.

