# WhatsApp

## Birthday Bot

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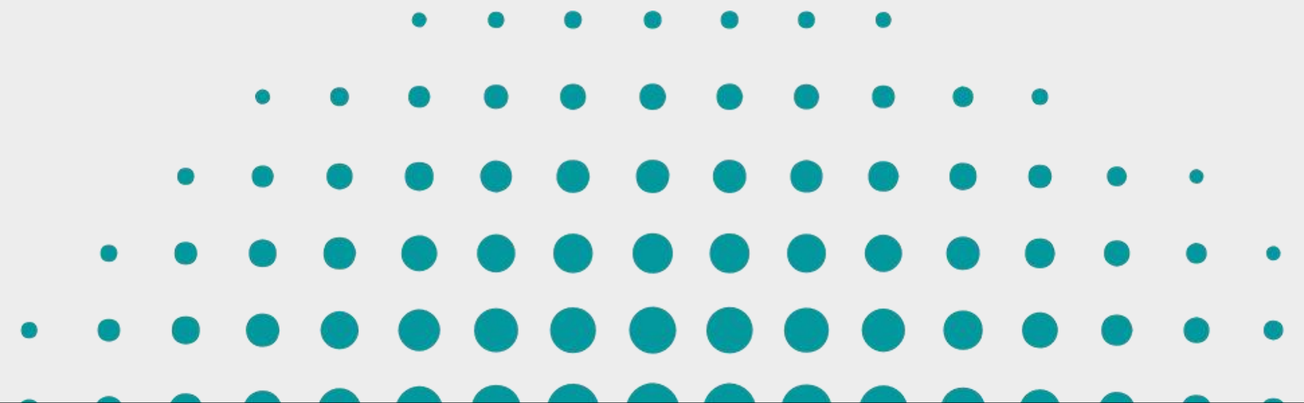

# Team

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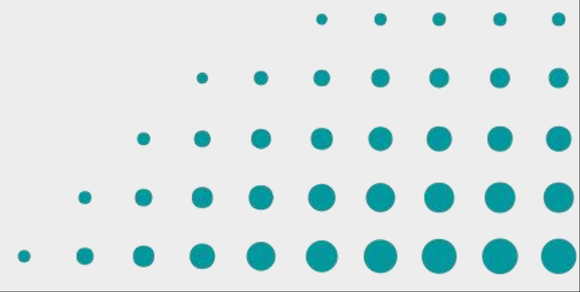
# Introduction

This project is a Python script designed to automate sending birthday messages through WhatsApp using the Twilio API. With a focus on simplicity and practicality, the script requires minimal setup. By providing your Twilio credentials, the program can be tailored to send personalized messages to contacts celebrating their birthdays on the current day. The code structure is straightforward, featuring functions for sending messages and retrieving contacts with birthdays. This introductory overview sets the stage for a user-friendly and customizable solution to share warm birthday wishes effortlessly.

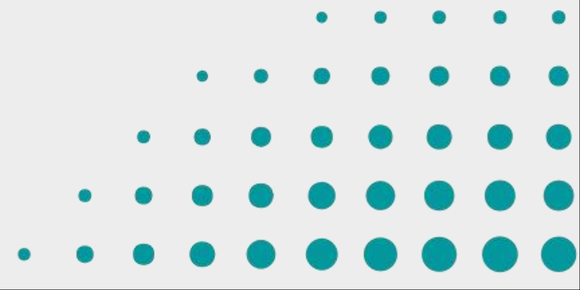
# Program

```
from twilio.rest import Client
from datetime import datetime

# Twilio credentials
account_sid = 'your_account_sid'
auth_token = 'your_auth_token'
twilio_phone_number = 'your_twilio_phone_number'

client = Client(account_sid, auth_token)
```

```
def send_birthday_message(contact, message):
        # Use the Twilio client to send a WhatsApp message
        message = client.messages.create(
                                        from_='whatsapp:{}'.format(twilio_phone_number),
                                        body=message,
                                         to='whatsapp:{}'.format(contact)
                                    )


def get_birthday_contacts():
      # Implement logic to retrieve contacts with birthdays today
     # For example, you could use a database or read from a file

 def main():
        # Get contacts with birthdays today
        today = datetime.now().strftime('%Y-%m-%d')
        birthday_contacts = get_birthday_contacts(today)
```



```
        if birthday_contacts:
            # Send birthday messages
            for contact in birthday_contacts:
                message = "🎉 Happy Birthday, {}! 🎂 Best wishes from the Birthday Bot!".format(contact['name'])
                send_birthday_message(contact['whatsapp_number'], message)


if __name__ == "__main__":
    main()
```



# Reminder

Remember to replace 'your_account_sid', 'your_auth_token', and 'your_twilio_phone_number' with your actual Twilio credentials. The get_birthday_contacts function is a placeholder; you need to implement it based on your data source.

Also, make sure you have the Twilio Python library installed:

```
pip install twilio
```

This is a basic structure, and you may need to adapt it based on your specific requirements and data storage methods.

# Explanation

This Python script uses Twilio to send automated WhatsApp birthday messages. It starts by setting up Twilio credentials and initializing the Twilio client. The `send_birthday_message` function sends a personalized WhatsApp message. The `get_birthday_contacts` function is a placeholder for retrieving contacts with birthdays today. In the main function, today's date is obtained, and if there are birthday contacts, messages are sent using Twilio. The script is structured for standalone execution, ensuring the main logic runs when the script is launched. Replace placeholder functions with actual logic, and provide correct Twilio credentials before running.

# Thank You