

SelfMemo

Online Email Reminder Service

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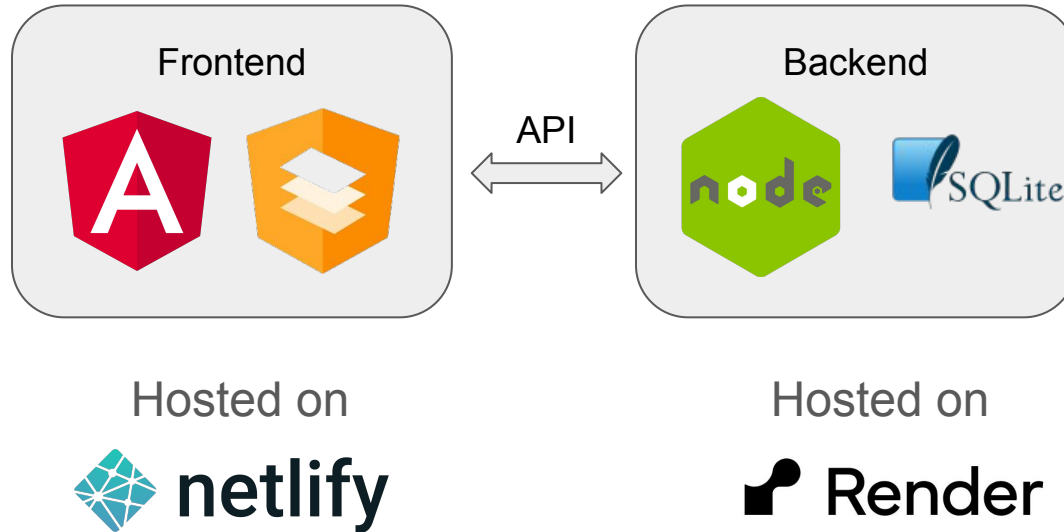
Project Requirements

- User
 - Create reminders
 - Receive email notifications
- Admin
 - Manage users
- Self-hosted website

Technical Problems

- User authentication
- Backend for checking reminder
- Database for saving reminders
- Send email to user

Project Architecture



Frontend

- Angular
 - Open-source
 - Efficient development
 - Dynamic content
- Material
 - Clean
 - Modern
 - Usability in focus.



Frontend

- Netlify
 - Builds and run modern serverless applications
 - Account linked to a Github repository
 - Deploys repository
 - Creates a website
- Website
 - <https://angular--selfmemo.netlify.app/>
- Git Repository
 - <https://github.com/Self-Memo/SelfMemo>



Frontend

- Netlify free plan
 - 100GB bandwidth
 - 300 build minutes
- Link your GitHub account
- Select repository
- Add-ons
 - Additional bandwidth
 - Additional build minutes

Starter

Single-member plan for personal projects, prototypes, and getting started.

Start for free

\$0 to get started, then pay as you go

Main features:

- ✓ Single member seat
- ✓ Global edge network
- ✓ Live site previews with collaboration UI
- ✓ 100GB bandwidth
- ✓ 300 build minutes
- ✓ Instant rollbacks
- ✓ Static assets
- ✓ Dynamic serverless functions

Add-ons:

- ✓ Additional bandwidth
- ✓ Additional build minutes
- ✓ Additional teams

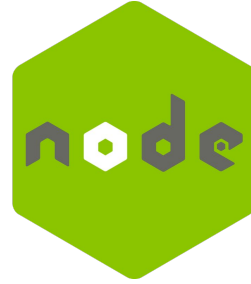
Backend

- Render
 - Allows file system
 - Linked to Github repository
- Git Repository
 - <https://github.com/Self-Memo/SelfMemoBackend>
- Link your github account
- Link repository
- Limitations
 - After 15 minutes put to sleep
 - 750 Free instance hours
 - Months have 720 hours



Backend

- node.js



- reminders

- getReminders
- getReminder
- getRemindersForUser
- createReminder
- updateReminder
- deleteReminder

- users

- register
- getAllUsers
- Login
- updateUser
- deleteUser

- settings

- getSmtSettings
- setSmtSettings

- reminderCheck

- reminderCheck

Database

- SQLite3

- Serverless database management system
- Can be embedded directly into an application



- reminders

- Id
- user_id
- type
- daysOfWeekBitMask
- month
- dayofmonth
- hour
- minute
- subject
- additionalNotes
- nextEvent
- active

- users

- id
- username
- password
- role

- smtp_settings

- id
- host
- port
- username
- password
- from_email
- from_name

Email Service

- SMTP2GO
- Free Account Features
 - No upfront cost
 - 1000 emails per month
 - Easy setup
- User-Friendly Interface
- Spam prevention
- Ensures delivery
- Once account is created
 - Add User
 - Verified Sender Email

Free Plan

\$0/mo

Good for testing or for sending small numbers of emails.

Get Started

✓ **1,000** emails/mo

✓ **5 days** of email reporting

✓ **Ticket support** only

Email Setup

SMTP Users

SMTP users are permitted to send emails over SMTP with a username and password.

Manage SMTP Users

Add new

Search for a user...

User: **softmemouser**

Connecting via SMTP

Server: mail.smtp2go.com

Port: 2525

Alternative/TLS Ports: 8025, 587, 80 or 25.

SSL ports: 465, 8465 and 443.

Verified Senders

Add domain names or email addresses on this page to allow SMTP2GO to send emails from them.

🌐 **Sender domains** allow you to send from **any email address** at a domain, and are verified via DNS records.

✉️ **Single sender emails** allow you to send from **an individual email address**, and are verified via confirmation link.

Sender domains Single sender emails

Add single sender email

Export



Search for a verified sender...



reminders@lserdar.com

Verified



Verify your email address for sending

You have been invited to approve your email address as a verified sender within an SMTP2GO account. This will allow the account to send emails from your email address.

To confirm that this email address belongs to you and that you wish to verify the email address for this purpose, click the button below. This link will expire in 30 days.

[Verify reminders@lserdar.com](#)

Application Overview

- Admin User
 - Default admin
 - Created on startup
- Manage users
- Manage SMTP settings

Add User

Application Overview

Reminders

	Active	Subject	Type	Next Event <small>ISO 8601</small> 
<input checked="" type="checkbox"/>		Tech Innovation Briefing	0	2024-01-05 05:18
<input type="checkbox"/>		Weekly Performance Metrics	1	2023-12-05 05:25
<input checked="" type="checkbox"/>		Financial Analysis	2	2023-11-05 05:10
<input type="checkbox"/>		HR Policy Updates	4	2023-10-02 05:35
<input checked="" type="checkbox"/>		Project Status Meeting	1	2023-09-05 05:55
<input checked="" type="checkbox"/>		Customer Feedback Summary	1	2023-08-05 05:05
<input checked="" type="checkbox"/>		Supply Chain Update	2	2023-07-03 05:40
<input checked="" type="checkbox"/>		Marketing Updates	3	2023-06-07 05:15
<input checked="" type="checkbox"/>		Quality Assurance Review	0	2023-06-05 05:48
<input checked="" type="checkbox"/>		Team Meeting Agenda	4	2023-05-05 05:45
<input type="checkbox"/>		Quarterly Review Meeting	3	2023-04-05 05:50
<input checked="" type="checkbox"/>		Sales Report	2	2023-03-05 05:30
<input checked="" type="checkbox"/>		Customer Service Metrics	1	2023-03-02 05:28
<input checked="" type="checkbox"/>		Product Development Update	1	2023-02-05 05:20
<input checked="" type="checkbox"/>		Monthly Sales Forecast	3	2023-01-01 05:00

Application Overview

- Reminder types

1 Choose your reminder


Choose your type*

- Once
- Daily
- Weekly
- Monthly
- Yearly

- Reminder creation

Choose your reminder

Subject Please enter a description for this event:
Description* I

Event Schedule This event occurs on
Choose a date 

at :

Additional Notes Additional Notes*

Live Demo

- Frontend
 - <https://selfmemo.netlify.app/>
- Backend
 - <https://selfmemo-api.onrender.com>
- GitHub
 - <https://github.com/Self-Memo>
- Showcase Video
 - <https://www.youtube.com/watch?v=fSlriETY64Q>

Thank you
for your attention