

APPLY-FLOW

A digital assistant that manages job applications so no follow-up is ever missed.

Theme – Open Innovation

Problem Statement Title– Lost Job Opportunities Due to Poor Application Tracking

Team Name– DAEMONS

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**Problem :**

- Interview Calls and Offers gets unnoticed due to improper tracking and followups.
- Jobs applied are not available in a single dashboard and are hard to track.
- People forgot after they apply for jobs and are clueless what to do next.
- Application management requires manual tasks to be repeated again and again

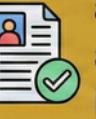
Novelty :

 Acts like a digital butler, not just a tracker, by telling users exactly what action to take next.

 Uses automated timelines instead of manual reminders, so follow-ups happen at the time without user effort.

 Turns recruiter silence into useful signals by detecting overdue responses and prompting smart follow-ups.

 Reduces mental load by replacing spreadsheets and notes with guided, automated decision-making.

 Focuses on post-application management, a problem most job apps ignore after the "Apply" button is clicked.

 Leverages a backend-driven workflow engine to continuously monitor applications and trigger actions automatically.

Solution :

- **Automatically reminds** users to follow up on job applications at the right time, helping them avoid missed opportunities.
- Brings all job applications from different platforms into one **single dashboard** for easy tracking and management.
- Clearly guides users on what to do next, such as following up, preparing for an interview, or waiting for a response.
- Reduces repetitive manual work by **automating reminders, application status updates, and notes**.
- Tracks how many days have passed since each application was submitted and uses this information to suggest the right next actions.



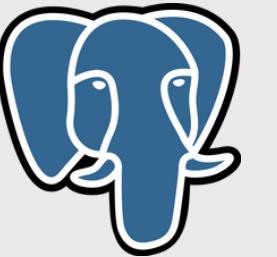
Tech Stacks :



Flutter



Serverpod



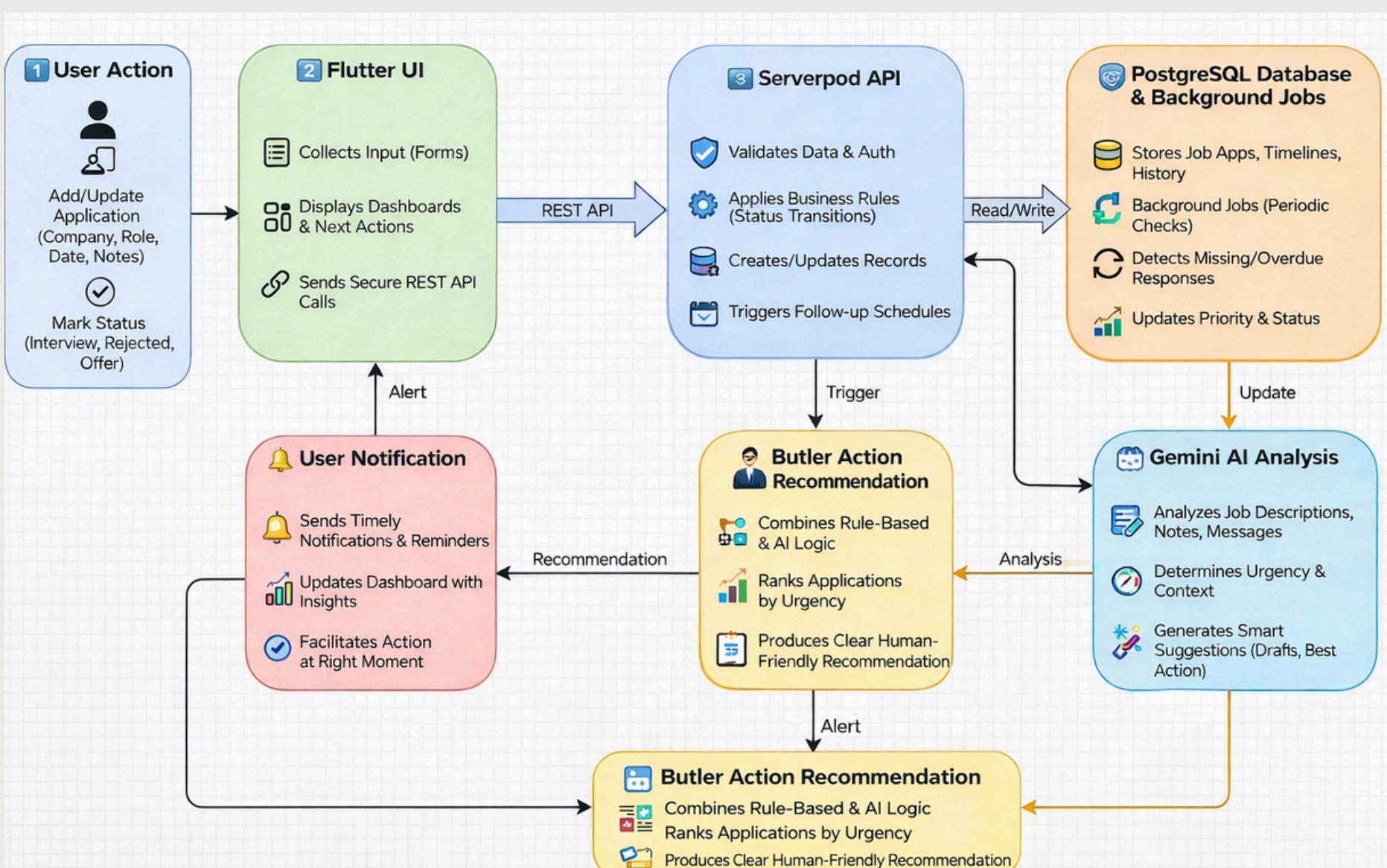
Postgresql



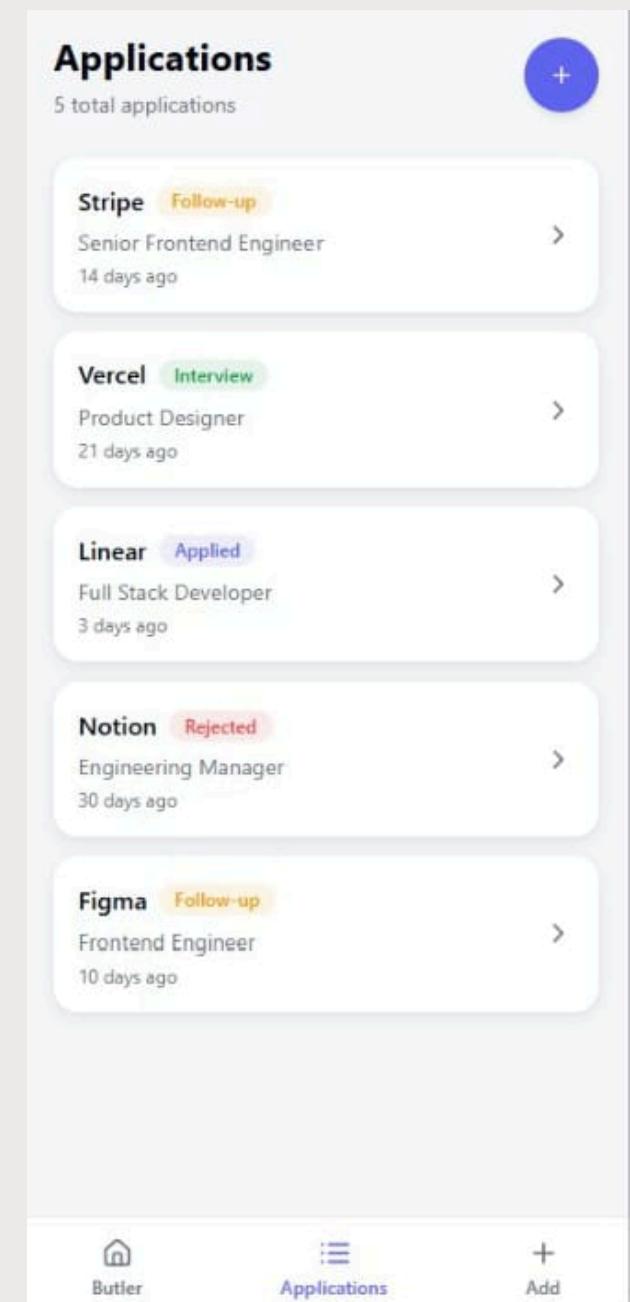
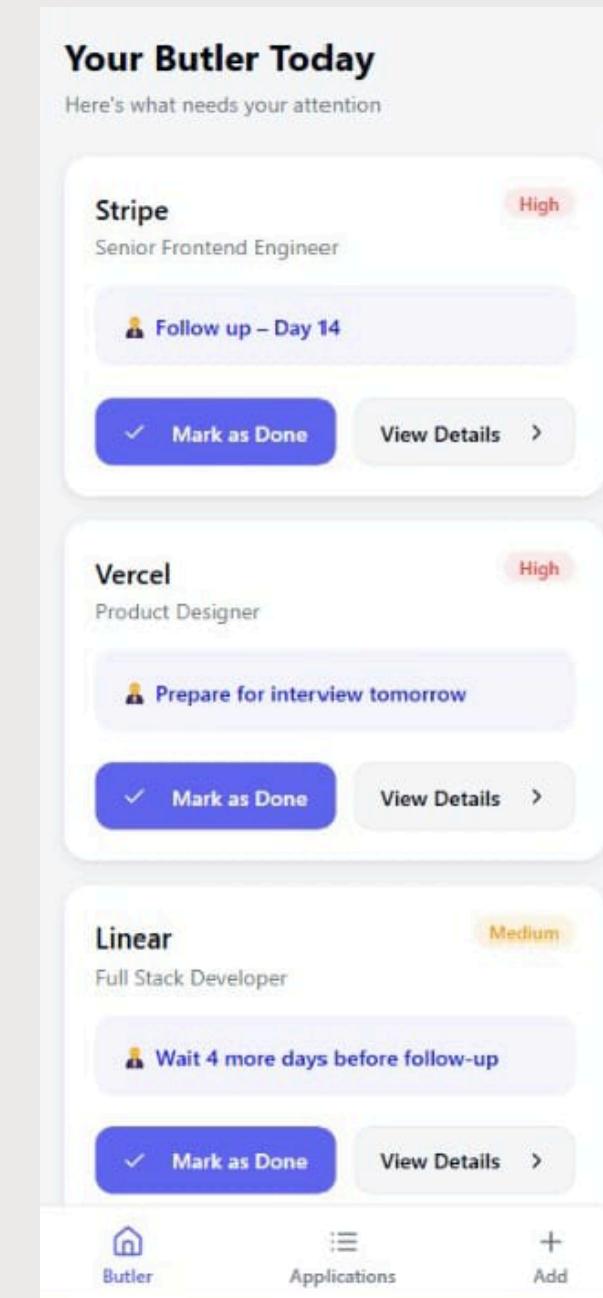
Vercel



Gemini3



Prototype Preview :





Feasibility



Simple Core Logic

The system relies on time-based triggers and status changes, which are straightforward to implement using standard Dart logic.



Serverpod Future Calls

Follow-up checks can be automated easily using Serverpod's built-in Future Calls, enabling scheduled actions with minimal code.



Fast UI Development

Flutter enables rapid creation of responsive interfaces for job entry and user feedback, speeding up overall development.



Minimal External Dependencies

The core functionality works without third-party APIs, reducing demo risks and improving system stability.



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Easy Demo Automation

Backend jobs can be triggered manually during the demo to clearly show automated status updates and task escalation.

Challenges

01

Accurate Follow-up Timing

Ensuring follow-up actions trigger at the right time without being too frequent or too delayed.



02

Reliable Background Execution

Maintaining consistent execution of scheduled backend jobs without failures or missed runs.



03

User Trust in Automation

Preventing automated suggestions from feeling irrelevant or unnecessary to users.



04

State Transition Consistency

Managing application status changes correctly without conflicting or invalid state updates.



05

Demo-Time Simulation Constraints

Effectively demonstrating time-based automation within a short hackathon demo window.





IMPACT



BENEFITS

Improves Job Search Success

- Automates follow-ups and organization to reduce missed opportunities and increase response rates.

Reduces Stress & Anxiety

- Removes the mental burden of tracking deadlines and communication, making the job hunt feel more manageable.

Builds Professional Momentum

- Transforms a chaotic job search into a structured and proactive workflow that keeps users moving forward.

Enables Fairer Opportunities

- Acts as a digital mentor for applicants lacking guidance, helping level the playing field for diverse backgrounds.

Accelerates Hiring Outcomes

- Boosts follow-through and engagement, shortening the time between application, interview, and offer.



Research	Existing Research/ Systems	Our Project (Unique Contribution)
<p>Wanberg, C. R., Kanfer, R., & Banas, J. T. (2012) Predictors and outcomes of job search behaviors. Journal of Career Development</p>	<ul style="list-style-type: none"> • Job seekers who follow up with employers significantly increase interview response rates. • Structured job search behaviors improve outcomes. 	<ul style="list-style-type: none"> • Butler suggests <i>when</i> and <i>what</i> to follow up • Moves beyond recording to action automation
<p>Dabbish, L., & Kraut, R. (2008) Awareness displays and task management. International Journal of Human–Computer Studies</p>	<ul style="list-style-type: none"> • Automated reminders & schedule systems increase task completion consistency. • Users better execute tasks when prompts are timely and automatic. 	<ul style="list-style-type: none"> • Serverpod background jobs that automatically schedule & remind • Priority escalation logic • True automated task execution engine
<p>Sweller, J. (2011) Cognitive Load Theory. ACM Transactions on Computer–Human Interaction</p>	<ul style="list-style-type: none"> • Providing structured guidance reduces cognitive burden • Proper decision support improves task performance 	<ul style="list-style-type: none"> • Butler tells the next best action • Suggests follow-up messages (optional AI) • Shifts cognitive burden away from the user