

Job description

Core Software Engineer

We are looking for a Core Software Engineer to join our engineering team to help build and enhance the UI / UX of the product. Our technology stack is based on NextJS, React, TypeScript and Chakra UI.

Responsibilities

- Build e2e features together with product and backend engineers
- Test features, integration testing, and unit testing
- Build reusable and testable UI components
- Maintainability and ongoing enhancements of the product's infrastructure
- Improve the client side infrastructure

Requirements

- Passionate about HTML/CSS semantics, standard and using modern evergreen web solutions.
- Proven experience (4+ years) working with React for building components for an internal system / component library / customer facing web app.
- Experience (4+ years) with vanilla / ES6+ JavaScript is a must.
- Working knowledge of Node and NPM for building frontend projects using: Webpack, babel, Parcel or Rollup.
- Have frontend design skills: thinking with components, design patterns, composition over inheritance - functional over OOP.
- Strong analytical skills and problem-solving aptitude.
- Attention to details.
- Good eye for design, UI / UX.
- Storybook experience is an advantage.
- Experience with module federation is an advantage.
- Chakra UI is an advantage.
- Product thinking is an advantage.
- Experience working in a monorepo environment is an advantage.
- High understanding of core web vitals an advantage.
- Working knowledge of Post processing CSS languages SASS/Less/PostCSS is a big plus.
- Experienced with SaaS applications is an advantage.

Home assignment

Desired application

- Develop a tasks management application that contains a list of tasks that one user can interact with.

Requirements Exploration

Time estimation

- We suggest you to invest a maximum of 8 hours for this task

What is a must?

- **Please use GitHub**
- **Project build should work on any laptop (Preferred Mac).**
- **Add documentation on how to build and run the application.**
- **Do not invest too much time on DevOps and Microservices architecture, a monolite and a monorepo that is easy to read is the preferred.**
- UI design is important, try to follow **Figma design** at your best (link below).
- Well defined JSON data models is a must
- Use TypeScript Typed models where you can
- Use GitHub issues / Readme to define all the things you would have supported if it was a production ready application (scale, infrastructure, etc.)

What is the techstack that is preferable to be used?

- VS Code
- React
- TypeScript
- NodeJS
- Working with Figma design
- Bonus:
 - Chakra UI (Material UI)
 - Express/NextJS/NestJS for RESTful API
 - Prisma ORM
 - Unit tests
 - Automation tests
 - State management
- **You may use any tech stack that can help you bring the best value in a short time and prove your experience (AngularJS / VueJS / etc.)**

What UI components should be designed and developed?

- Tasks list:
 - List of tasks cards ordered by creation date
 - Each task in the list contain only several fields from the task card
 - Task title
 - Task assignee name
 - Task assignee avatar
 - Task creation date
 - Task status
 - The list should be shown vertically
 - Ability to view more task details when clicking on a task (a task drawer / popup should be opened)
 - Ability to create a new task
 - Task creation form:
 - Two steps form
 - First step
 - Should contain only important information
 - Title
 - Assignee name
 - Second step
 - Should contain below listed fields and the ability to correlate to another task
 - Status
 - Description
 - Related Tickets (vertical list of tickets)
 - Ability to link multiple tasks from existing tasks
 - Ability to show a list of related tasks
 - **Must: ability to go back to step 1**
 - **Must: ability to skip step 2**
- Task card:
 - Title
 - Assignee avatar
 - Assignee name
 - Status
 - Date created
 - Description
 - Related Tasks
 - Ability to link multiple tasks from existing tasks
 - Ability to show a list of related tasks
 - Watchers tab
 - List of watchers

What are the core features to be supported?

- List **view** of tasks, to enable view existing tasks and **create** new tasks
- Ability to view each task in a more **detailed** view
- **“Related Tickets”** feature in detailed view, should be the main capability and you should invest their your **best efforts**

What pagination UX should be used for the list?

- Nice to have: pagination using “next” button
- Bonus: infinite scroll pagination

Will the application be used on mobile devices?

- Not a priority, but a good mobile experience would be nice.

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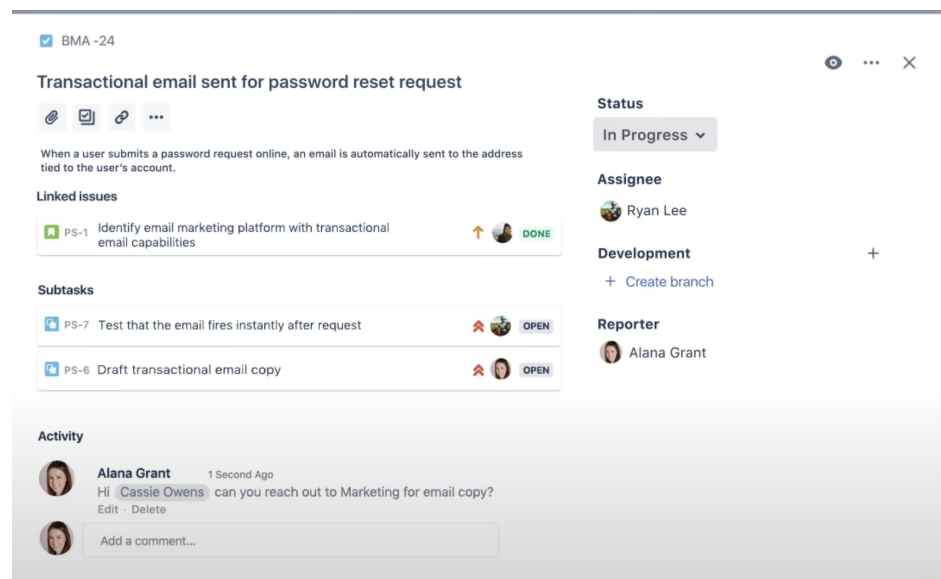
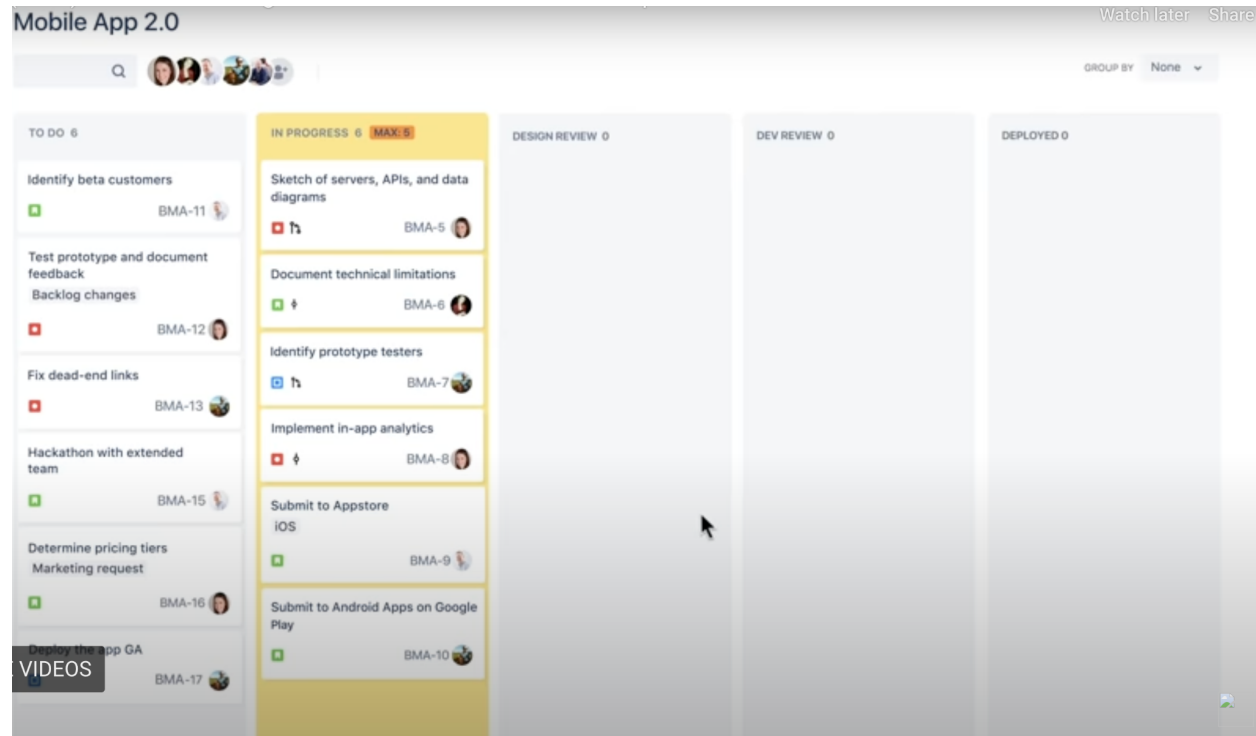
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Bonus:

- Backend:
 - Use Prisma or any ORM to store the entities created
 - Connect the app with Slack integration, and choose what user action should send a notification to the slack #channel
 - Example: when a user creates a new task the details around the task are sent to the Slack channel
 - Bonus: Enable the channel to use a command to close a ticket by specifying the task id
- Features documentation (Release notes).
- Deploy the code to Vercel / AWS any Cloud Service so it is easy for us to run
- Filtering tasks by fields
- Order tasks by fields
- support infinite scroll (using virtualization)
- Responsive design
- view details when swiping right
- use keyboard shortcut Command + D + #number to open details view of a task located at index #number
- use keyboard shortcut Command + Shift + T to create a new task
- Ability to duplicate a task
 - Bonus: use keyboard shortcut Command + Shift + D + #number to duplicate a task located at index #number
- Ability to delete a task
 - Bonus: use keyboard shortcut Command + Shift + R + #number to delete a task located at index #number
- Ability to edit a task
 - use keyboard shortcut Command + Shift + E + #number to edit a task located at index #number
- Ability to add more watchers
- Comments Tab (ability to add comments)

Real-life examples

- Jira
 - <https://www.atlassian.com/software/jira/guides>



Test prototype and document feedback
Backlog changes

BMA-12

Fix dead-end links

BMA-13

Transactional email sent for pas|

Create

Add promo-code coupons to mobile checkout
Marketing request

BMA-14

○

☑ BMA -24

Transactional email sent for password reset request



When a user submits a password request online, an email is automatically sent to the address tied to the user's account.

Subtasks

Status

To Do ▾

Assignee

Ryan Lee



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• Trello

○

<https://trello.com/tour>

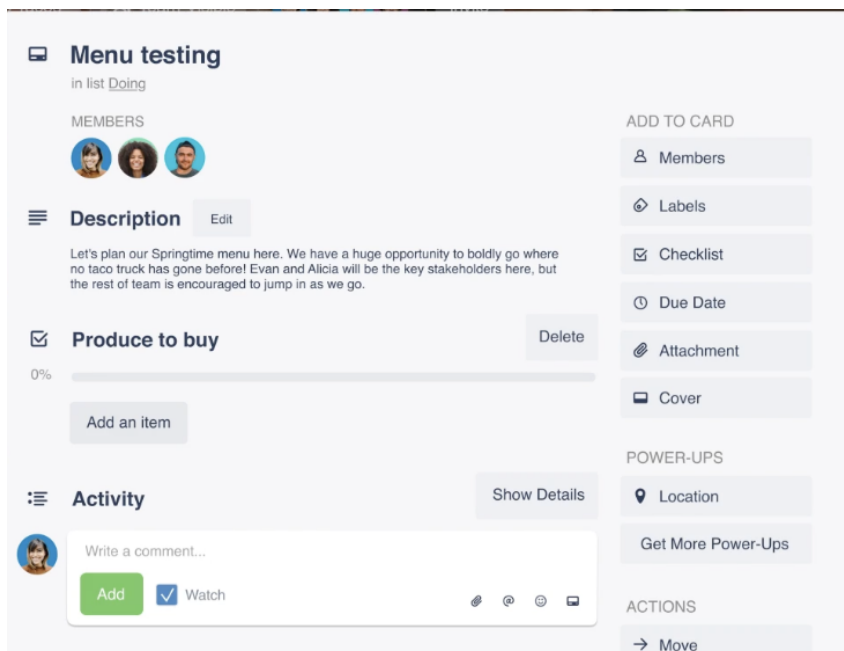
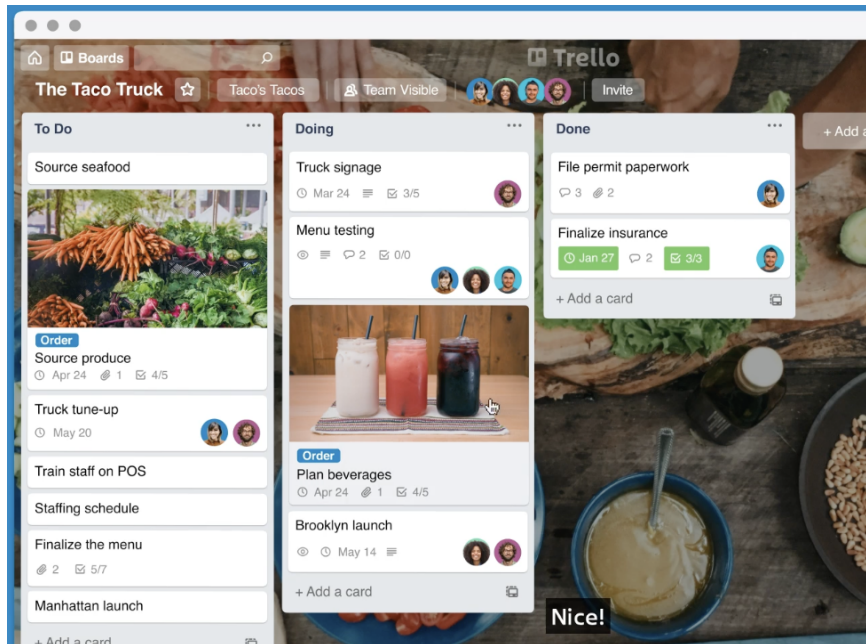
Home Boards 🔍

The Taco Truck ☆ | Taco's Tacos |

Enter list title...

Add List ✕

○



- Asana
 - <https://asana.com/uses/kanban-boards>
 - <https://asana.com/product/timeline>

Design Requests List **Board** Timeline Calendar Progress Forms More...

2 tasks completed today Incomplete tasks Filter Sort Rules Fields

New Requests

Infographic on productivity

Blog

Monday 1 2

Initial design review

Approved budget

Add subtask

Poster for volunteer event


2 3

Case study layout designs

Web

Aug 13 - 14 4 2

In Progress



Blog and social posts

Web

Tomorrow 4 2

New landing page

Web

Aug 14 - 19 5 2

Landing page brief

Landing page copy

Add subtask

Complete

Homepage design update


Web

Monday 4 2

Featured blog image

Blog

Jul 19 - 30 4 2



Leadership blog image

Blog





-
- Monday
 - <https://monday.com/>
 - <https://monday.com/dev>

Q3 project overview





🔍 / 0 🗨️ / 1 ⋮


📅 Table view ▾

This month

	Owner	Status	Timeline	Due date	Priority	+
Finalize kickoff materials		Done	<div><div></div></div>	Sep 15	★★★★★	
Refine objectives		Working on it	<div><div></div></div>	Sep 19	★★★★★	
Identify key resources		Stuck	<div><div></div></div>	Sep 22	★★★☆☆	
Test plan		Done	<div><div></div></div>	Sep 26	★★★★★	

Next month

	Owner	Status	Timeline	Due date	Priority	+
Update contractor agreement		Done	<div><div></div></div>	Oct 10	★★★★★	
Conduct a risk assessment		Working on it	<div><div></div></div>	Oct 13	★★★★★	
Monitor budget		Stuck	<div><div></div></div>	Oct 19	★★★★★	
Develop communication plan		Done	<div><div></div></div>	Oct 22	★★★★★	

**Steve**
2 min ago

@Jane it looks amazing!
I like it :)

Comment

- Notion

- <https://www.notion.so/product>

● ● ● ☰ ⬅ ➡ 🏔️ Goals

Share 💬 ⌚ ☆

Goals

📅 Board View

Sort Search ⋮ New ▾

To Do 5 ⋮ +

🏃 Exercise 3x / week
Health

🇫🇷 Learn French
Travel

💼 Land first freelance job
Work

🏠 Contribute to 401k
Finance

🔗 Update personal website
Work

Doing 4 ⋮ +

🧘 Meditate 15 mins each day
Health

🍱 Bring lunch to work every day
Finance

👩 Learn how to bake
Life Skills

🏀 Start basketball team
Health Fun

Done 2 ⋮ +

🇯🇵 Visit Japan
Travel

👥 Go to a science fiction meetup
Travel

+ New

○