**Freelance software development matchmaking/work assignment app**

been thinking about this because I know some of our peers want to side-hustle as engineers

and I have been getting leads from my own commercial network asking me for the third time in a month to code an app for them of some kind

* **software consultant/project manager** talks to **client**. client agrees to sign software agreement and is given rough estimation of total project fees. this cannot be automated and requires people to talk so we assume this is done outside the app.
* Consultant logs jobs on portal, sharing how much is the estimated number of hours/weeks/months required to commit to the work. Consultant is like a super user who can CRUD jobs
* portal contains all jobs. within 1 job, the scope of work + number of engineers required is displayed
* **engineers** who comprise the 2nd user type can login to portal, view jobs, read and click accept for each job. Max 1 job can be taken on at any one time per engineer. individual jobs can no longer be accepted by the pool of engineers once the max number of engineers required is reached i.e. if the job asks for 2 engineers and 2 have already hit “accept”, the job is greyed out for other engineers to accept, but remains viewable. (edited)
* jobs accepted then open ups a new UI to the accepting engineers, where there is a **kanban board**: <https://www.npmjs.com/package/kanban-board-app>the kanban board is view only until a **briefing call** is done between consultant + engineers to make sure expectations are aligned. Once briefing call is over, the super-user consultant unlocks the kanban board, and engineers can commence work.engineers use the kanban board to **report work done (milestone tracking)**. there is a **timer feature** with start/stop/pause buttons. it lets engineers track their billable hours, like lawyers do. they hit the clock voluntarily when they’re doing work and can pause when they’re taking a break or stop when they know they’re done for the day.the pausing/stopping feature matters because our engineers will be Rocket PTBC graduates - they don’t want to quit their jobs but want to side hustle, and may not always have time to work on the project - [**kanban-board-app**](https://www.npmjs.com/package/kanban-board-app)

**Comfortable**

* **Software engineer “social media” profile with portfolio +**
* **clients** comprise the 3rd user type, but they can view only. It’s stricrtly only for clients to track work. They won’t be able to amend the contract or touch the kanban board. **if they log in to the app, they can only view those jobs that they ordered. they can’t see other clients’ jobs.if clients really want to mess around with the project params, they must schedule time to talk to the software consultant super user if they want to modify the contract or anything. this is**to preserve software project consistency and integrity and not make life hard for the engineers who already clicked accept. We want to make it hard for clients to mess with jobs posted, much like Grab drivers feeling secure when they are clicking accept on jobs. (edited)

milestone tracking is separate from when the engineers get paid by the client. we will want our engineers to get paid once a month for however many hours of work are done for the job that month, example contract here: [https://www.pandadoc.com/software-development-agreement-template/?utm\_source=google&u[…]vJbENOvR4TcIwFfaQ1uKBFSii\_E7vzT4rSvdn3k4xhHLPmkaAoKeEALw\_wcB](https://www.pandadoc.com/software-development-agreement-template/?utm_source=google&utm_medium=cpc&utm_campaign=Google_Search_NB_Templates_WW_Tier1&utm_content=Software_Development_Agreement_Template&utm_device=c&utm_placement=&utm_term=software%20development%20agreement%20template&utm_creative=569386473499&network=g&gclid=Cj0KCQjwhqaVBhCxARIsAHK1tiN0AMmAvJbENOvR4TcIwFfaQ1uKBFSii_E7vzT4rSvdn3k4xhHLPmkaAoKeEALw_wcB) (edited)   
  
[**The Best Free Software Development Agreement Template**](https://www.pandadoc.com/software-development-agreement-template/?utm_source=google&utm_medium=cpc&utm_campaign=Google_Search_NB_Templates_WW_Tier1&utm_content=Software_Development_Agreement_Template&utm_device=c&utm_placement=&utm_term=software%20development%20agreement%20template&utm_creative=569386473499&network=g&gclid=Cj0KCQjwhqaVBhCxARIsAHK1tiN0AMmAvJbENOvR4TcIwFfaQ1uKBFSii_E7vzT4rSvdn3k4xhHLPmkaAoKeEALw_wcB)

once job is fully completed, job is marked as complete. stats are tracked elsewhere for portal managers to see how many jobs engineers complete etc. (edited)

Pages

* Signup/Login
* For SWEs and Project Managers (PMs)
  + Search Portal to see all Users: software engineers
  + Search Portal will also have a second tab that shows LIVE current empty slot projects
    - (Comfortable) All Current and Past Projects are searchable
* For SWEs:
  + Can see current and past projects (has search bar)
  + Can see user profile (including pic, resume, portfolio, preferred salary/hr minimum and maximum time commits per week
  + In current project(s),
    - Project Summary Page: who is the client, what work are they asking for
      * How many SWEs have already accepted? 2/5 of the required slots?
      * Deadline for application
      * Deadline for project due date
    - can view individual Kanban board and edit Kanban board only after PM approval and all SWEs
  + Actual Kanban board for projects in-progress already
  + Legacy final locked Kanban board for old projects completed
* Project Managers flow
  + Login
  + (Comfortable): Post Contracts to clients in negotiation
  + (when signed): Post Jobs (meaning initial Project Summary Page) on Portal
  + CONVERT Project Summary Page (per 1 job level) to Kanban Board stage when minimum requirements for engineers etc. have been met
  + Click to Finalize and Completed Projects that have been finally at production launch
* Client Flow
  + Login
  + View ONLY THE JOB THAT RELATES TO WHAT THEY ARE PAYING FOR
  + Can view PM account profiles
  + Can view actual progress on Kanban of their own project only

ERD

* Users
* Projects
  + No of engineers required
  + No of engineers already assigned
  + Salary level/hr
  + Deadline to apply to do this job
  + Deadline to complete project
  + Type of project
  + Project text summary
  + Client Industry
  + Client Name
* Profile Table
  + Project Manager Profile
  + Software Engineer Profile
* Kanban data

**Example full Ideation Phase 2 Write-up:** <https://github.com/lee-kimmixq/student-mgmt-app>