

## Take-Home Project For Backend Development Track

- **Project topic:** Build and deploy a simple API backend that allows users to create, read, update and delete notes. It should include a login system and the ability to save notes to a remote database. This can be built using any popular framework of your choice e.g Node.js, Laravel, Django etc..
- **Evaluation areas:** backend design/development concepts, web development frameworks, coding skills, problem-solving skills, debugging and testing skills, version control skills
- **Tools:** A backend framework of your choice
- **Instructions:**
  - ◆ Build a simple API backend that allows users to create, read, update and delete notes.
  - ◆ It should include a login system, where users can register and log in.
  - ◆ The notes should be saved to a database (Firebase, Parse, MongoDB, MySQL, SQLite, Postgres, etc).
  - ◆ Using any popular framework of your choice (Node.js, Laravel, Django etc).
  - ◆ Use Git for version control and provide a link to the GitHub repository.
  - ◆ Deploy your API/endpoint to a backend service (e.g DigitalOcean) and provide link
- **Requirements:**
  - ◆ Users should be able to create, read, update and delete notes.
  - ◆ Users should be able to login.
  - ◆ The notes should be saved to a database.
  - ◆ Proper use of Git for version control.
  - ◆ Deploy your API/endpoint to a backend service (e.g DigitalOcean) and provide link
- **Evaluation Criteria:**
  - ◆ Functionality: Does the application meet all the requirements and function as expected?
  - ◆ Code quality: Is the code written in a clear and maintainable way?
  - ◆ Best practices: Are best practices for backend development being followed?
  - ◆ Version control: Is Git being used correctly and effectively?