We want you to create a basic backend application to manage companies and their employees.

**Main Project Requirements**

* Basic JWT Authentication: ability to log in as administrator
* Use Node, Express, Sequelize, JWT
* Create Express routing to demonstrate CRUD functionality (Create / Read / Update / Delete) for two API items: **Companies** and **Employees**
* Use Express validation middleware to demonstrate basic payload validation
* Use Express middleware to enforce authorisation
* Demonstrate the use of DB transactions where applicable
* Companies DB table consists of these fields: Name (required), email, phone, website
* Employees DB table consists of these fields: First name (required), last name (required), Company (foreign key to Companies), email, phone
* Create Integration tests for all API’s, all tests should pass. Use Jest or Mocha.
* Create a professional README with instructions on how to install and test
* Project to be uploaded to GitHub so the source code can be reviewed when finished.

**Software implementation** minimal specification – latest Node, Express – PostgreSQL or MySQL

**Extra Bonus Requirements**

Only if time permits, here is some extra requirements

* Document your APIs with Swagger
* Use Typescript in your project
* Typescript Sequelize

**Do not worry if you do not get all required features developed as it can be time consuming. Please submit your code and list what features you have achieved and mention what you didn’t get time to do.**