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| Common Questions | LMS UI – Asite (Angular, PrimeNG) | Junior SE (Asite) | Web-IFC Viewer (Three.js + Angular) | RAS Finance Website  (Freelancing) | Acquire Conveyancing Website (Freelancing) | Kiwi Finance Website (Freelancing) | Angular+Nest.js Boilerplate | Desktop Music Player |
| Challenges | * Create common table for supporting multi-line headers, paginators, in-line edit and multiple data formats * CORS Error * Integrating Angular’s frontend in Spring backend | * CDE: develop a highly customizable tree-based dropdown, as a substitute for ‘select2’ library. * Selection chips, lazy loading, intermediate state, synchronizing with other instances to prevent duplicate selection | * Setup a three.js scene within angular component * Temporary file upload functionality on server * Extracting element tree * Searching through IFC tree | * Integration of Google sheets with contact us form in their website * Email trigger for contact us form fill up * Integration of Third-party finance calculators | * Email trigger for contact us form fill up * Highly animated website | In Progress… | * Reduce docker iamge file size * Automate script for building full stack web app * Managing env files | * Merger or UI in angular, backend in express and wrapping this full stack in Electron.js for a desktop app |
| Mistakes / Failures | * Had to restart entire project from Materials to PrimeNG, for better UI | * Initial implementation was ad-hoc, factorial complexity for maintaining selection | * Parsing IFC text file at runtime for every search, tree node | * No use of supporting UI library – time consuming | * Not choosing a reliable hosting service | In Progress… | * Improper Dockerfile lead to large image size | * Very large build for ubuntu * No icon of app |
| Enjoyed | * Success of Project * Security of project, with roles and privileges * Seamless integration of Sprint-boot API | * Working in Agile * Crafting Figma into reality * Bug finding | * Learning Three.js * Learning IFC and BIM files | * Implementing refresh token-based security | * Exploring AOS, tailwind | In Progress… | * Full stack production ready project * Learning docker, nginx | * File system manipulation * Learning electron.js |
| Leadership | * Lead the UI team of 11 members for LMS project * Creation of boilerplate for LMS and task distribution | * Led a 2 member-team for a temporary project ‘asset-management’ * Configured a new module for the same in our app | * One-person project | * One-person project | * One-person project | * One-person project | * One-person Project | * One-person Project |
| Conflicts | * Decision to change UI from Angular Materials to PrimeNG raised conflicts within team * Took a vote on the flexibility of implementation and looks of components, lead to choose PrimeNG | * Minor conflict with BA team for changing the requirement in structure of “record retention form” | * Revit files should be supported, but they are encrypted * Had to explain this to my tech lead | * They needed an articles page, for that I need to explicitly develop a basic CMS for articles management | * Not much | In Progress… | * Not much | Not Much |
| What You’d Do Differently | * Carefully selected UI library at beginning * Configured the project as a whole Sprintboot + Angular, rather than just standalone frontend | * Periodically ask/propose for changes in early stages of development | * Caching, parsing IFC files at the time of loading | * Created a website from a responsive template | * Choose a reliable frontend and backend hosting | In Progress… | * Build a project with microservice architec | Build the backend for files and APIs directly with electron without needing express.js |