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github / blog

EXPERIENCE

Front-End Developer, 台灣積體電路製造股份有限公司 2024/05- now

Skills Used: TypeScript, React.js, Next.js, Node.js, HTML, CSS, Ionic

Low code platform

– Spearheaded the development of a versatile table component leveraging headless UI principles, enhancing user experience and modularity

Clock mobile app

– Orchestrated the development of a sophisticated clock application featuring geofence restrictions, streamlined day-off requests, and automated overtime reporting.

– Pioneered the adoption of Ionic framework for hybrid mobile app development within the company, accelerating project timelines and cross-platform compatibility.

– Established an Ionic React starter template, standardizing development practices and expediting future mobile app projects.

– Overcame technical hurdles by integrating Google APIs, resolving Intranet proxy issues, and addressing HTTP credentials challenges.

– Implemented internationalization (I18n) strategies for seamless localization and global reach.

– Orchestrated Single Sign-On (SSO) integration, enhancing security and user experience across platforms.

WYSIWYG editor

– Led the development efforts of a cutting-edge Notion-like editor with custom UI components, leveraging the lexical open-source package for enhanced functionality.
– Designed and implemented robust permission control mechanisms, ensuring data security and user access management.
– Streamlined content publishing processes and approval workflows, enhancing collaboration and content management efficiency.

e2e Test CICD Flow

– Architected and implemented an end-to-end (e2e) testing Continuous Integration/Continuous Deployment (CICD) pipeline using Cypress, ensuring robust quality assurance and enhancing system reliability.

Front-End Developer, 街口金融科技股份有限公司 2021/08 - 2023/04

Skills Used: TypeScript, React.js, Next.js, Node.js, Nest.js, MySQL, HTML, CSS

Low code platform

– Developed and maintained a micro frontend architecture using single-spa for internal backstage projects.

– Implemented a low code service to generate web backstage projects, including login and permission features, slack notifications, and API testing. This resulted in a 50% increase in productivity and streamlined the development process.

Review service

– Led the development of a review service, including designing the DB schema, implementing E2E and unit tests, and creating a review-SDK for API methods and a web component to display the review workflow.

eBill payment service

– Worked on a bill payment web project and implemented dynamic maintain bill items, allowing for customization of maintenance intervals for different bill types.

Front-End Developer, 凌網科技股份有限公司 2019/07- 2021/04

Skills Used: TypeScript, Angular, Node.js, Nest.js, HTML, CSS, Python

ERP projects

– Developed Todo List, Forum, Calendar, Cloud File features, and Content Management System with hierarchical permission management, and implemented E2E testing with Protractor to improve the testing procedure.

– Developed a backend project to synchronize Active Directory with a DB using Nest.js.

Space reservation project

– Participated in a National Taiwan University study carrel borrowing service project, and implement i18n English locale, refactored components to enhance performance and code readability.

Desktop monitor project

– Designed and applied new GUI style with Tkinter in desktop monitor system project.

EDUCATION

– National Chung Hsing University, Bachelor of Plant pathology 2013-2017