

STAFFLINK

REQUIREMENTS

Modern world has been witnessing a powerful transition in management and co-working orientations in the past decade. At many companies, showing up at work from 9.am to 5.pm is no longer a standard, especially companies in technology and creativity department. Lots of companies allow staff to work remotely, with flexible working hours and no commutes. Meanwhile, some other organizations implement hybrid work models where employees work on-site once or twice a week. The Covid-19 pandemic even accelerated the transition as employees were forced to work from home. Although the new workplace trend seemingly benefits employees' time tolerance, lower productivity should not come along. Companies demand employee and project management softwares that help managing employees' productivity and preventing negative impacts of the trend on projects' progress.

MAIN FEATURES

StaffLink is an employee and sprint management application. It runs seamlessly on Android devices with different screen sizes. The initial version will come with 3 main features:

- Authentication and dynamic authorization: Employees can log in to the application and access to functions that are assigned by admin.
- Sprint management: Team leaders can create and manage projects, tasks and employees responsible for such tasks. The feature also allows project personnel to share related attachments.
- Chat tool: every project comes with a chat room that allows members to communicate and discuss about assigned tasks. Employees can also send personal messages to each other.

Technologies

- Spring Boot 3
 - ✓ Spring Cloud Discovery: Eureka server, client and gateway
 - ✓ Choreography pattern (RabbitMQ 3 as message broker)
- MySql 8
- Redis 6
- Android Studio
- Real-time communications: WebSocket, Server-sent events, RabbitMQ 3