Overview:

The project involved developing a web application with critical functionalities for a highly respected and well-established player in the publishing industry. The client used the application to manage their reports, media, printers, timesheets, etc. The team implemented customized modules to offer features ranging from reporting to managing printer specifications. This project enabled the client to manage the entire supply chain and improve their overall productivity.

Client details:

Name: Confidential | **Industry:** Publishing | **Location:** USA

Technologies:

Java, Spring Boot, Angular, Bootstrap, Chart.js, Lucene, FileMaker, BIRT, MSSQL, LDAP

Project Description:

The client had an old web application that was becoming difficult to scale up. After analyzing the client's need, team@Mindfire offered to develop an application with various functionalities which would help overcome the operational issues and improve the organization's supply chain process. It was critical to have an intuitive and user-friendly UI/UX, which could be used by the entire organization easily.

The product suite has 6 modules.

A. MySales

- This module helps to manage estimates, invoices, purchase orders and, sales orders from the web app. Additionally, various reports formats can be generated for Job Cost, Sales Order, and Purchase order.
- Project estimates can be divided into multiple jobs and milestones and help to track all raw items used for completing a particular job. Discounts and Rush can be applied to Jobs or items.

B. MyTime

- This module has features like scheduling, time clock, timesheets, and team communication. The online timesheets will compare the scheduled hours
- This timesheet application tracks missed shifts, clock-outs, breaks. It also tracks paid and unpaid breaks.
- Timesheets are available on a daily, weekly and, monthly basis.
- Data is captured for clients, projects, and tasks. It tracks expenses and materials. It performs an automatic calculation of the time for total hours, overtime, and breaks.
- This module was developed by integration with Teamwork (Project Management Tool) and Slack

C. MySpecs

- This module manages Printers Specification like Resolution, tolerance, Density, Angles, etc.
- The client can manage the printer used by various customers and their specifications. Versioning is used for tracking changes in Printer specification
- Approvals are required for any changes to the printer specification.

D. MyOrders

- This module captures all the information related to the job. The user can manage pending tasks for a particular job. It also captures the colors, material, expenses and, printers used for a job.
- The manager can estimate the time for each task and helps to schedule the Task on a particular date and time.
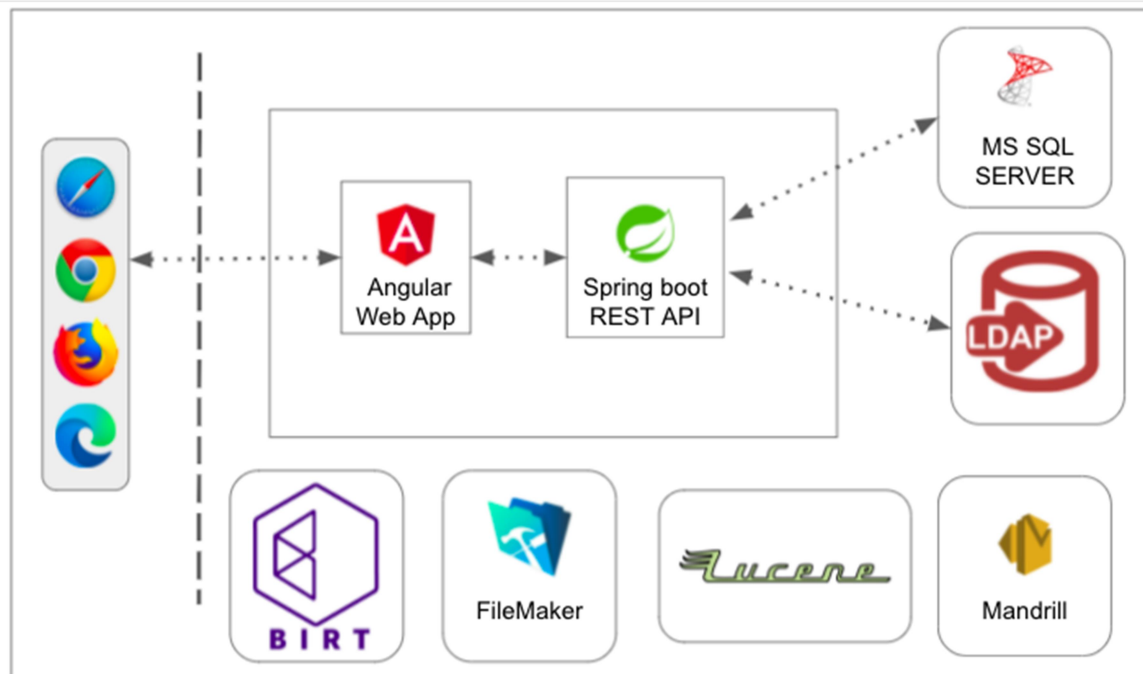- The module can track time spent by a particular user on a job.

E. MyReports

- This module has various customizable reporting widgets that can be dynamically configured for individual customers by Admin.
- ChartJS generates interactive graphs for better data visualization. Each graph has a hotspot that helps to navigate data.
- The team integrated the application with Birt Report. The reports can be viewed, exported, and printed into multiple formats, such as Excel, PDF, Word, and Image.

F. MyColors

- This module categorizes the color based on its process inks CMYK, Pantone, Hexatone, or Opaltone. The user can manage the Spectra curve information for specific color.
- Color Library helps to manage the colors for a customer with customized tolerance and Observer Angles. Users can import or export the color in different global formats CXF, MIF, XTF.
- The color rationalization feature helps to identify closely matched colors based on its Spectra curve, Delta Type, and tolerance.
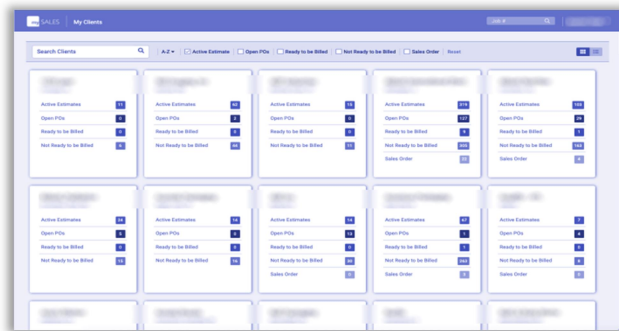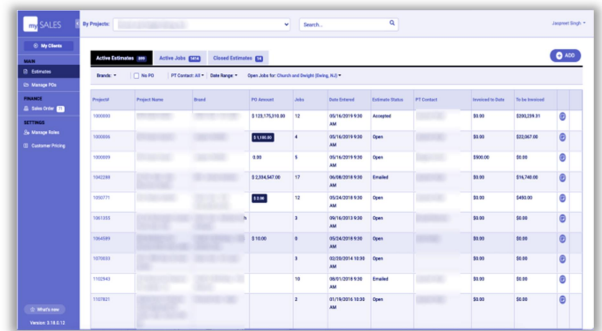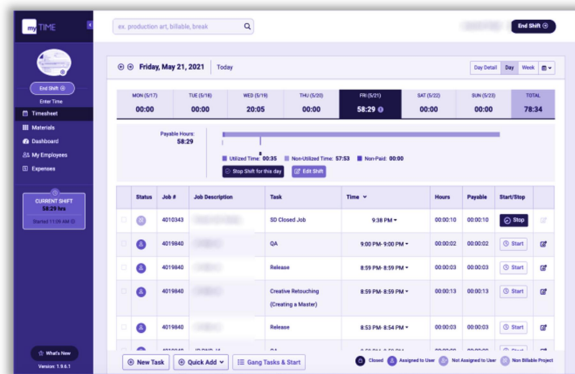
Architecture
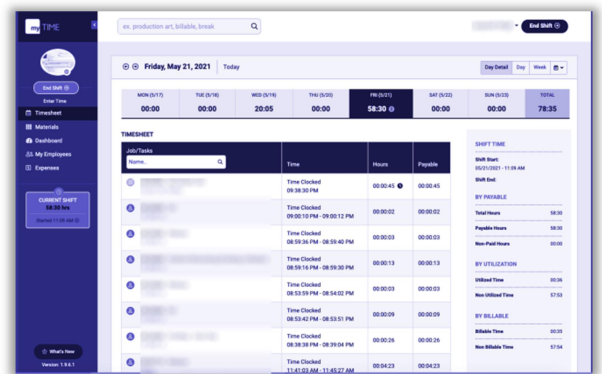
Screenshots

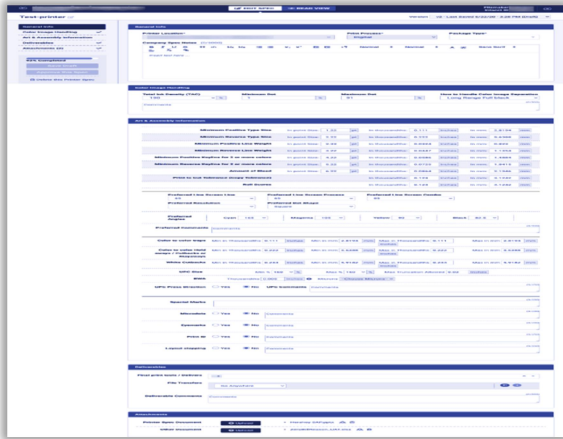**Screenshot 1:** My Sales: Client View
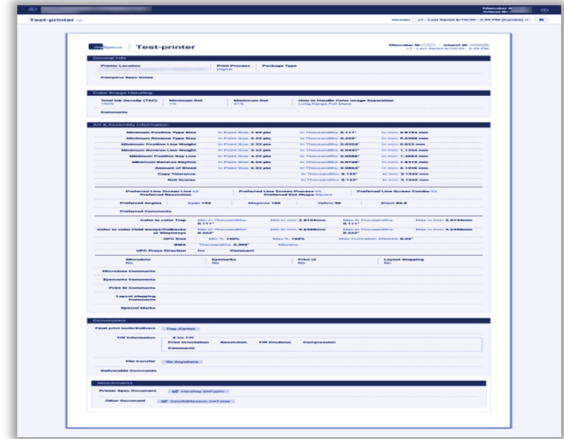

Screenshot 2: My Sales: Estimate View

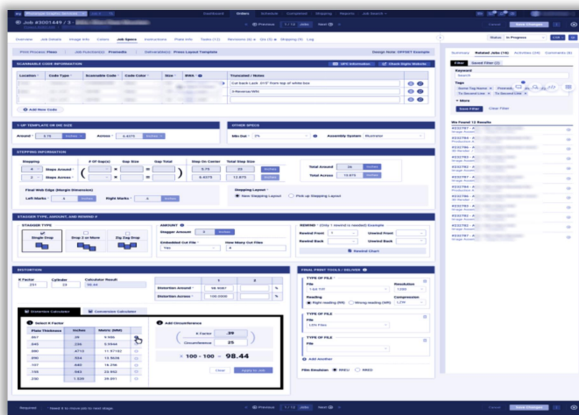**Screenshot 3:** My Time: Job Description

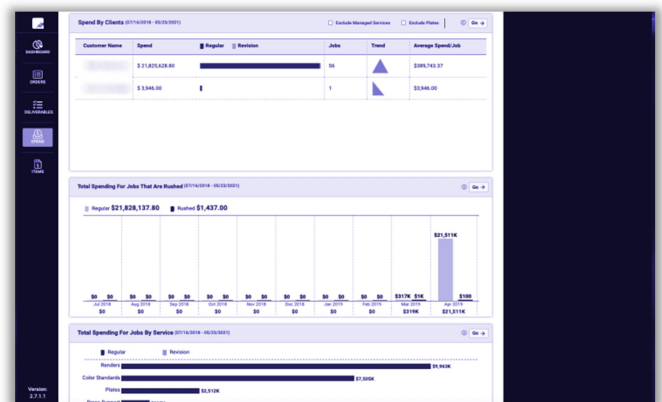**Screenshot 4:** My Time: Billable View

Screenshot 5: My Specs: Edit View

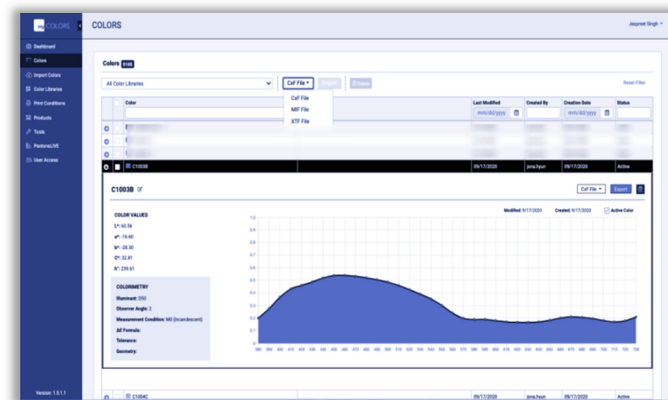**Screenshot 6:** My Specs: Print Details

Screenshot 7: My Orders: Job Specifications

Screenshot 8: My Reports: Spend Analysis

Screenshot 9: My Reports: Month Wise View

Screenshot 10: My Colors: Dashboard