



## **TRANSFORMING PRECISION COMPONENT MANUFACTURING WITH CUSTOM JOB MANAGEMENT SOFTWARE: A CASE STUDY WITH SUMMERS ENGINEERING**

Facile [Technolab](http://www.faciletechnolab.com) has built a SaaS Platform MVP for a precision components manufacturer in Australia. This involves planning, designing, architecting, database design, software build, CI/CD Deployment, and ongoing maintenance.

### **BUSINESS CASE**

Summers Engineering, a leading manufacturer of precision components and assemblies, aimed to streamline their operations and enhance productivity through the development of custom Job Management Software. The primary objectives were to optimize internal processes, manage software post-launch, and leverage software development resources effectively.

### **THE CHALLENGES**

The client business faced several challenges in achieving their goals:

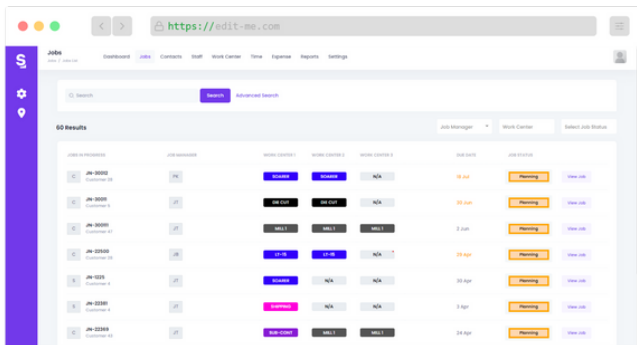
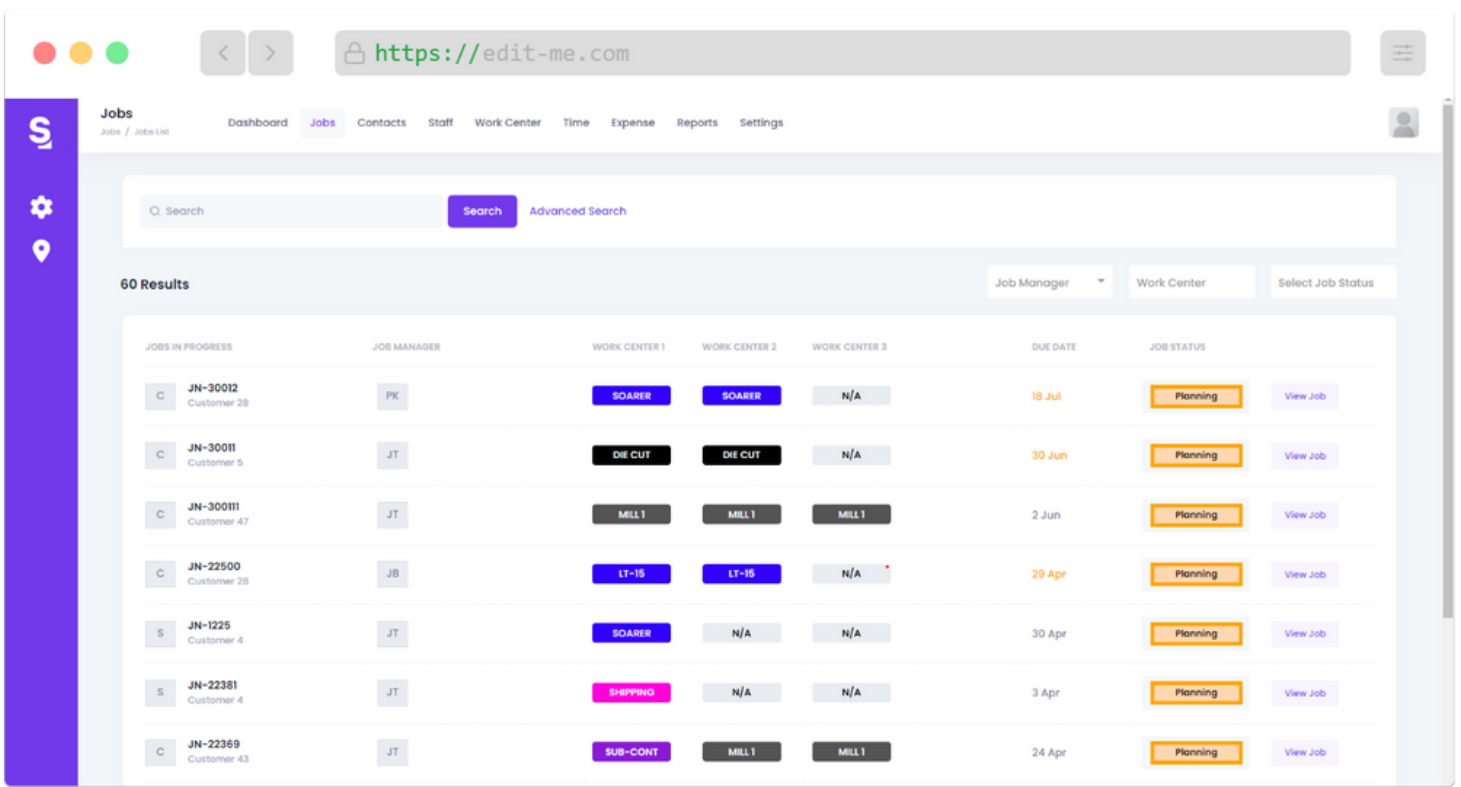
- **Software Expertise:** Developing a web-based application with specific functionalities required specialized software development expertise.
- **Efficient Project Management:** Ensuring smooth coordination, timely delivery, and effective communication during the development process was crucial.
- **Scalability:** The software needed to be scalable to accommodate future growth and additional users.
- **Seamless Integration:** Integrating the new software with existing systems and processes demanded careful planning and execution.

# SOLUTION

Facile Technolab was chosen as the preferred partner due to their high ratings, alignment with company values, and competitive pricing. With a team of 2-5 skilled professionals, Facile Technolab took a collaborative approach to address the challenges:

- **Discovery Phase:** The team thoroughly reviewed detailed mockups and wireframes, ensuring a comprehensive understanding of the application layout and user experience.
- **Agile Project Management:** Using Jira and Miro, Facile Technolab meticulously planned and executed the development process, adhering to timelines and milestones.
- **Cloud Infrastructure:** A robust development and production environment was set up on AWS to facilitate seamless scalability and data security.
- **Custom Software Development:** Expert developers at Facile Technolab crafted the software code, ensuring a high-quality and user-friendly web application.
- **Thorough Testing:** Rigorous testing and quality assurance were performed in a development environment before proceeding to User Acceptance Testing.
- **Ongoing Support:** A maintenance and support plan was established to address future updates, bug fixes, and customer support.

The screenshot displays a web application interface for job management. The top navigation bar includes 'Jobs', 'Dashboard', 'Jobs', 'Contacts', 'Staff', 'Work Center', 'Time', 'Expense', 'Reports', and 'Settings'. A search bar is located below the navigation. The main content area is a grid of job cards, each representing a different work center and job status. The cards are organized into columns based on work centers: LB3000, SOARER, LB300, LT-15, LB200, and STAR. Each card contains details such as job ID, customer name, part number, material, and status (e.g., 'Arrived - To...', 'On Hold', 'Planning', 'To Order', 'Stock Mate', 'Ready To S...', 'In Progress'). The interface is clean and modern, with a purple sidebar on the left containing navigation icons.



## TECH USED

- Angular, Typescript
- PostgreSQL, ASP.NET Core, Entity Framework Core
- Docker, AWS Code Pipelines, AWS ECS, AWS ECR

## RESULT

The collaboration with Facile Technolab proved highly successful, resulting in tangible outcomes:

- **Increased Efficiency:** The custom Job Management Software streamlined internal processes, optimizing task allocation and resource utilization.
- **User Adoption:** More than 20 individuals now use the software daily, testifying to its quality and user-friendliness.
- **Continuous Improvement:** Facile Technolab remains engaged for additional software improvements and developments, ensuring a dynamic and evolving solution.
- **Effective Project Management:** Daily updates and proactive communication from the Facile team facilitated transparency and ensured timely delivery.
- **Stable Performance:** The software demonstrated exceptional stability and reliability after launch, contributing to uninterrupted operations at Summers Engineering.

## CLIENT FEEDBACK ON CLUTCH

### Web Development for Precision Components Manufacturer

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#### THE PROJECT

Application Management & Support, Enterprise App Modernization, Web Development

\$50,000 to \$199,999

Mar. 2022 - Ongoing

#### PROJECT SUMMARY

Facile Technolab Pvt Ltd has built a web-based app for a precision components manufacturer. This involves designing and wireframe review, database design, software build, and ongoing maintenance.

#### 5.0

★★★★★

Quality	5.0
Schedule	5.0
Cost	5.0
Willing to Refer	5.0

#### THE REVIEW

"It's incredibly easy to work with all staff members at Facile Technolab Pvt Ltd."

May 21, 2023

#### FEEDBACK SUMMARY

Facile Technolab Pvt Ltd's work is now in use by more than 20 individuals, reflecting its great quality and usability. The team provides daily updates and communicates clearly and proactively. The client commends the team's flexibility, professionalism, and keen understanding of the requirements.

[Read Full Review](#)

#### THE REVIEWER

Managing Director, Summers Engineering

 James Tononcelli

- Manufacturing
- Sydney, Australia
- 11-50 Employees
- Online Review
- Verified

## CLIENT FEEDBACK

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Summers Engineering lauded Facile Technolab's communication and collaboration, emphasizing the ease of working with the team. The development process was seamless, requirements were thoroughly understood, and the software was remarkably stable post-launch.

James Tononcelli



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