

AutLeap

DashboardWorkboardCalendarCustomersCatalogueInventoryMarketingReviewsReports

Search customer

Admin

KanbanRO listParts ordered

AuthorizationTechniciansAgingRO tagsCustomer tagsService advisorAdd Filter

Estimate - 326

9091 - Gear oil change4

Gladys Mckinney

2015 Chevrolet Silverado

\$ 547.97 - Unpaid

3/30/15

Urgent

In Progress - 141

9091 - Gear oil change1

Judith Jones

2015 BMW M5 F10 Manual

\$ 250.97 - Balance 210.01

3/30/15

Urgent

Invoiced - 24

9091 - Brake replacement1

Annette Alexander

2015 BMW M5 F10 Manual

\$ 500.97 - Balance 210.01

3/30/15

Urgent

Paid - 91

9063 - Air filter, AC filter

Irma Pena

2018 Toyota Camry

\$ 251.97 - Paid

3/31/13

Urgent

9092 - Engine Repair

Philip Webb

2016 Honda CR-V

\$ 779.45 - Balance 210.01

3/30/13

Urgent

9091 - Gear oil change2

Colleen Cooper

2018 Honda Civic

\$ 400.97 - Unpaid

1/30/12

Urgent

9094 - Seat Cover change

Jenny Bell

2018 DINAN S1 BMW M550i xDrive

\$ 3361.97 - Balance 210.01

12/120/19d

UrgentWaiting for partsTotalledDinan

ElectricalPaintshopOwner's Reference

9078 - Transmission Repair

Lily Lane

2017 Toyota Tacoma

\$ 950.97 - Unpaid

3/30/15

Urgent

9077 - Body work, wiring

9062 - Oil Change, air filter

Serenity Warren

2020 Honda Civic Turbo

\$ 361.97 - Paid

4/41/14

Urgent

9061 - Tire replacement

Bessie Howard

2019 Toyota RAV4 Hybrid

\$ 1,054 - Paid

5/51/110

Urgent

9060 - Gear oil change

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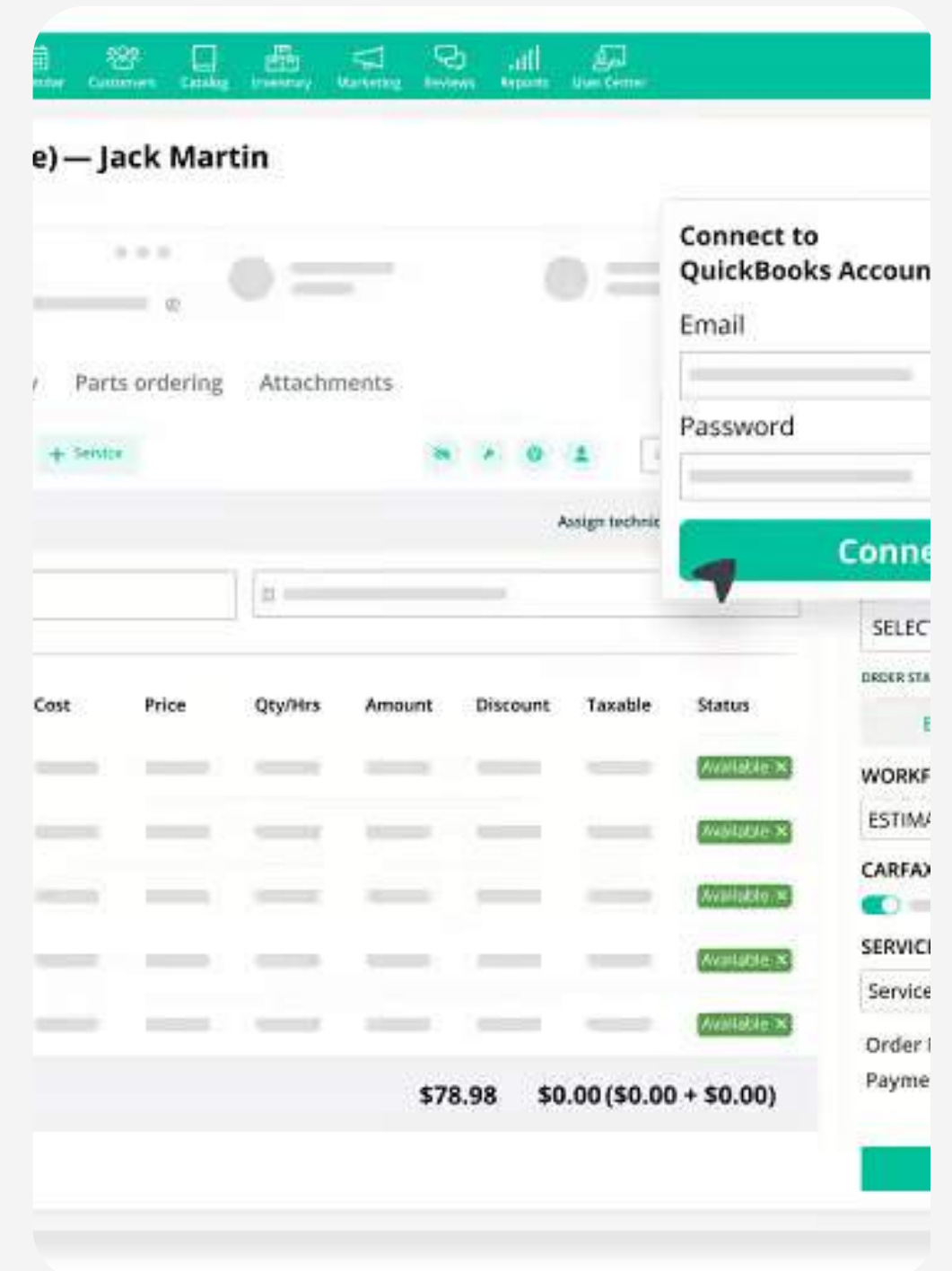
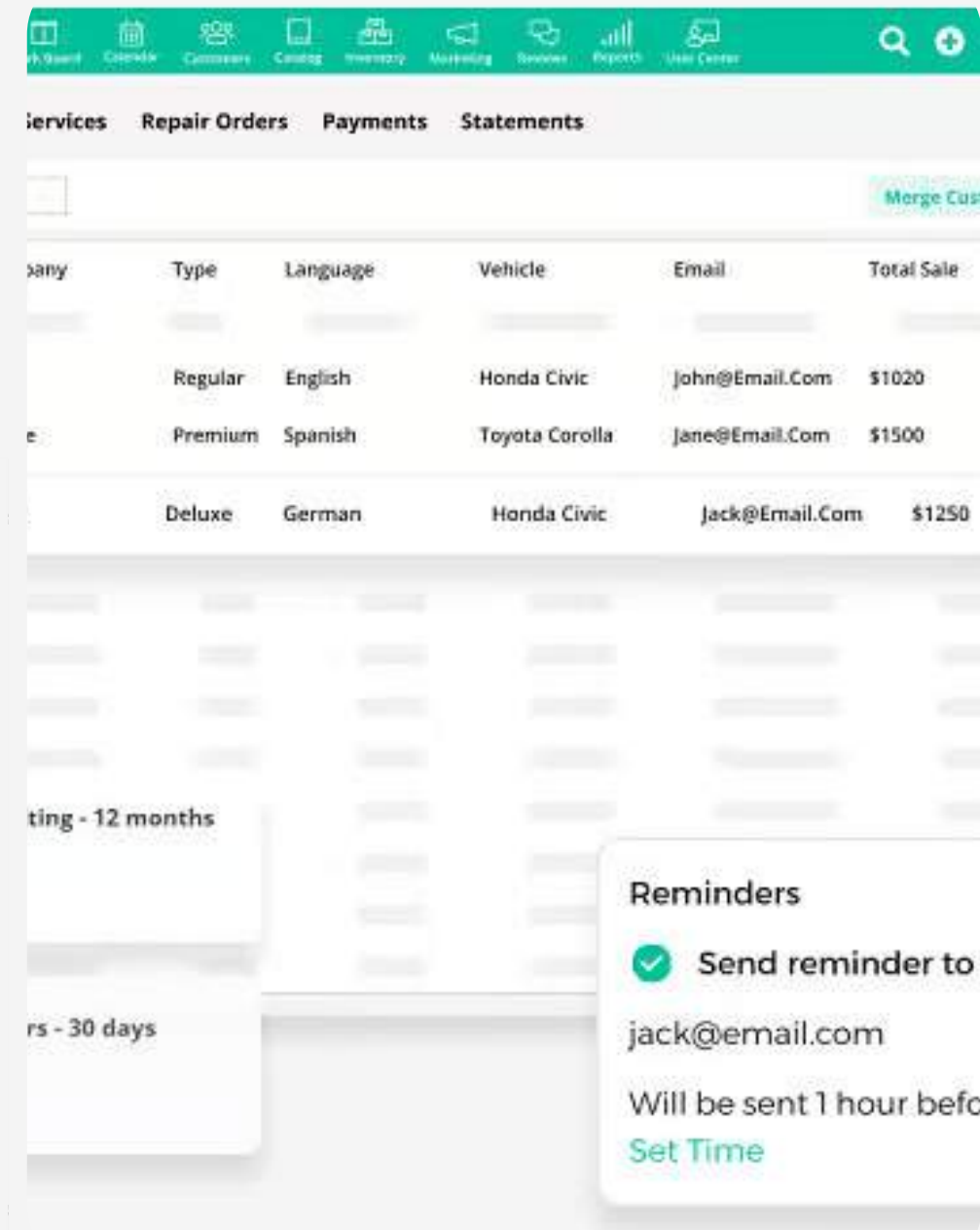


Project Overview

Introduction



This project is a full stack automotive shop management system built using Angular 20, Node.js, and MongoDB. It provides a streamlined, cloud-based platform that consolidates daily operations such as customer management, scheduling, work orders, invoices, payments, inventory, and reporting into one unified solution. The Angular frontend ensures a fast, intuitive user experience, while the Node.js API and MongoDB database deliver a scalable and secure backend capable of handling real-time shop workflows.

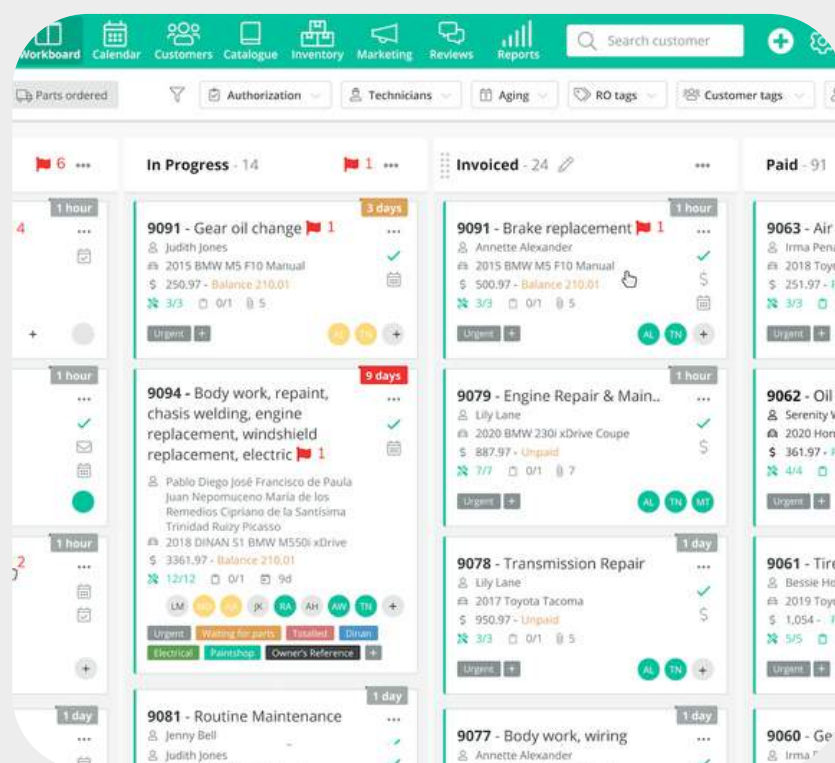
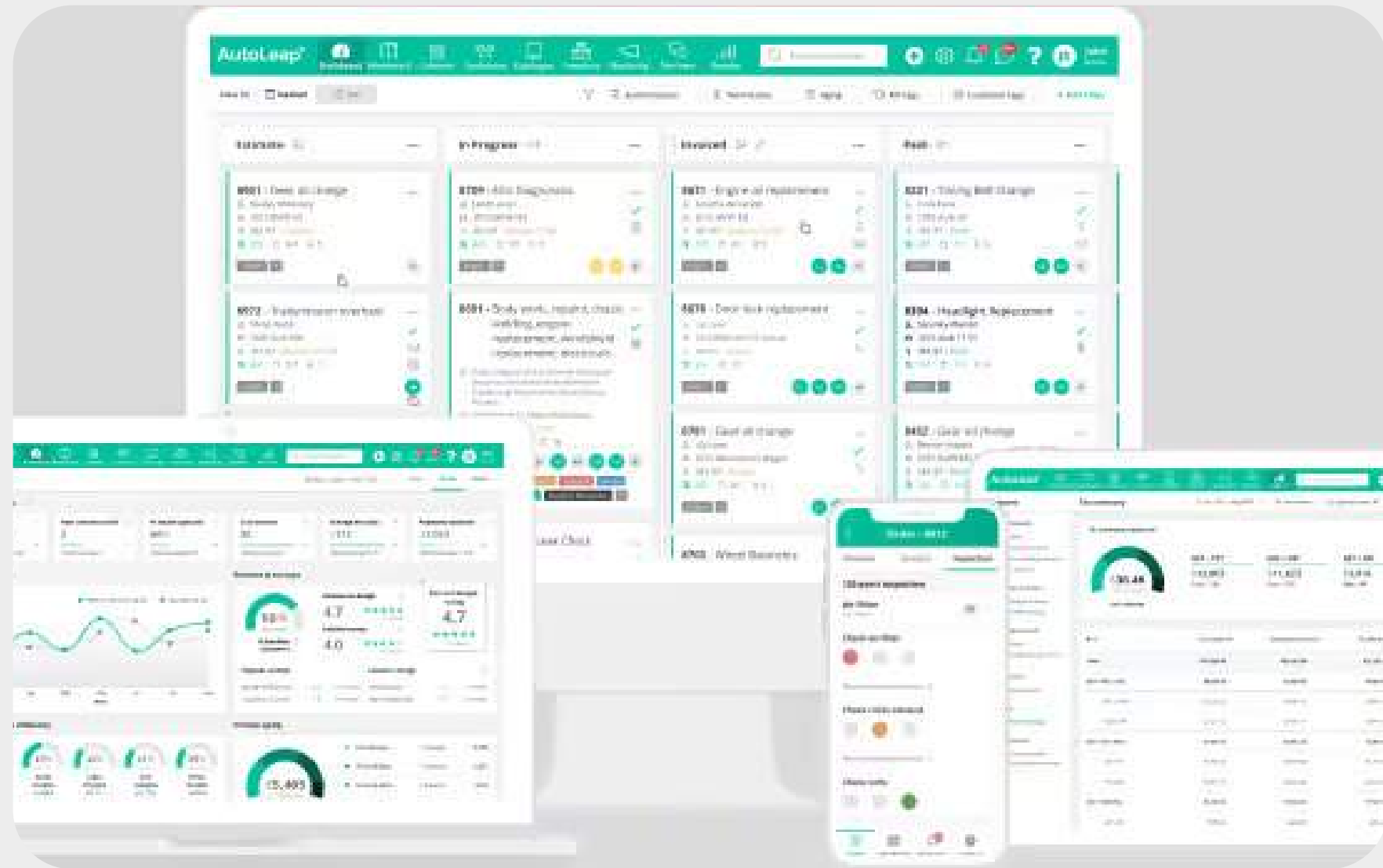


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Challenges

- Disconnected Systems & Manual Processes.
- Slow, Outdated, or Hard-to-Use Software.
- Lack of Real-Time Visibility & Reporting.



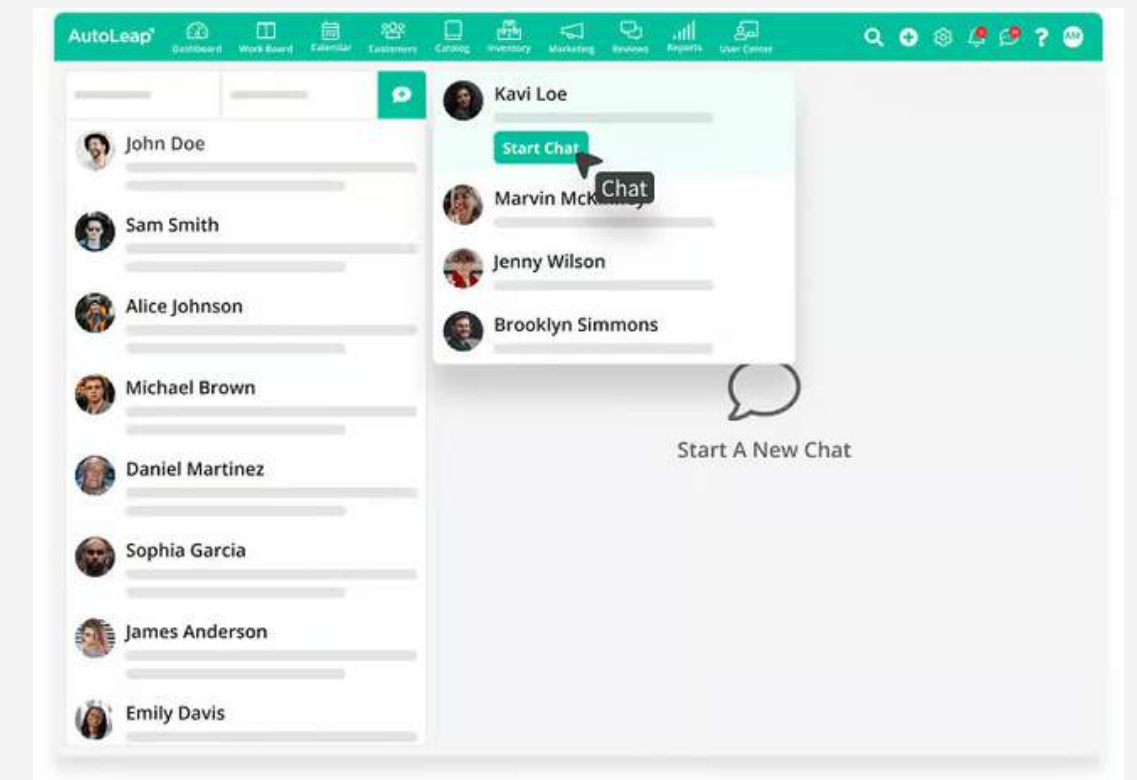
Solutions

- A unified Angular 20 + Node.js + MongoDB platform that centralizes scheduling, invoices, work orders, and customer data into one seamless workflow.
- A modern, responsive Angular 20 UI designed for simplicity, fast loading, and minimal training time—even for non-technical users.
- Real-time dashboards powered by Node.js APIs and MongoDB queries, delivering up-to-date metrics on work progress, performance, and profitability.



How I Built It

- Designed a fast, responsive UI using Angular 20 and modular components.
- Developed secure REST APIs with Node.js and Express for all core workflows.
- Structured scalable data models and collections in MongoDB.
- Implemented real-time updates for jobs, schedules, and dashboards.
- Optimized performance, validation, and error handling across the full stack.
- Integrated authentication and role-based access for secure shop operations.
- Ensured mobile responsiveness for technicians and staff on the go.
- Deployed the full stack system on a cloud environment for reliability and scalability.



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Landing page

Services Inspections Activity Parts ordering Attachments

Oil Change Assign technician

Type	Name	Description	Cost	Price	Qty/Hrs	Amount	Discount	Taxable	Status
Parts	NAPA P...								Available X
Parts	NAPA P...								Available X
Parts	Champi...								Available X
Parts	Champi...								Available X
Labor	Labor								Available X

QuickBooks Account

Email

Password

Connect

SELECT SOURCE CAMPAIGN

ORDER STATUS

ESTIMATE INVOICE

WORKFLOW STATUS

ESTIMATE

CARFAX REPORTING

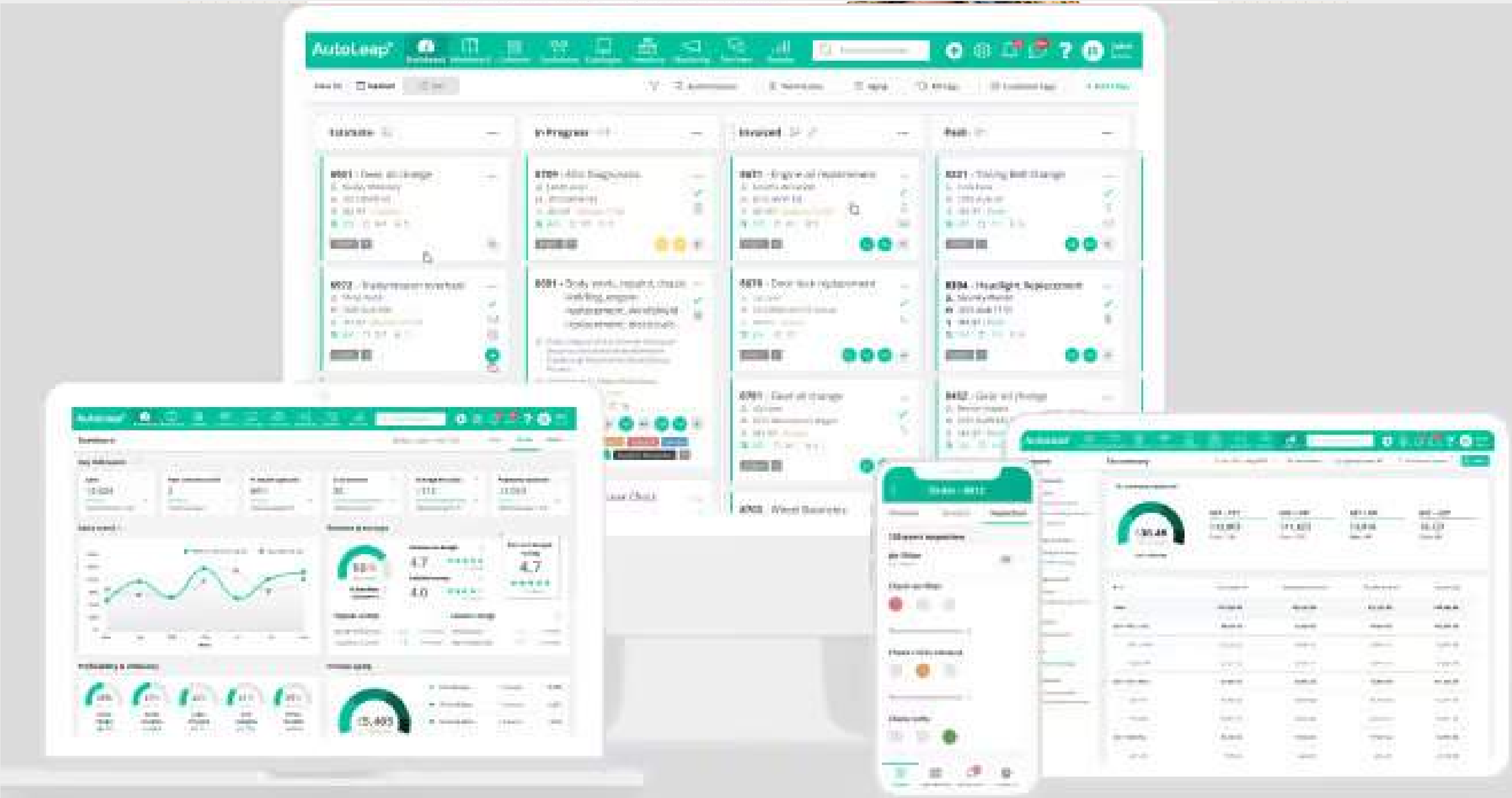
SERVICE ADVISOR

Service advisor



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Service Page



Let's Work Together!

Building scalable SaaS platforms, dashboards & modern web apps.

With **10+ years** of expertise in full stack engineering, I develop powerful web platforms that replace manual processes with automated, user-friendly systems. Using Angular 20, Node.js, and MongoDB, I deliver responsive dashboards, real-time workflows, and robust backend infrastructure designed for speed, scalability, and long-term reliability.

Oder Now!

