



Interactive Messaging Playground hero image

Interactive Messaging Playground

A real-time messaging application with interactive features and modern UI

Full-Stack Developer

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Project Overview

Technologies Used

React

Node.js

Socket.io

MongoDB

TypeScript

messaging

real-time

react

nodejs

The Challenge

Building a scalable real-time messaging system that handles thousands of concurrent users while maintaining low latency and providing rich interactive features.

The Solution

Implemented WebSocket connections with Socket.io, optimized database queries, and used React for efficient UI updates. Added features like typing indicators, message reactions, and file sharing.

Key Metrics

10,000+

Concurrent Users

Peak concurrent users supported

< 100ms

Message Latency

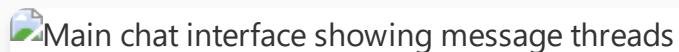
Average message delivery time

99.9%

Uptime

Service availability

Screenshots



The main chat interface with message threads and user list



Responsive design working on mobile devices

Links

Generated case study for Interactive Messaging Playground