RT_SLAM_AVOC - Design Document

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Pose Subscriber Node - Architecture

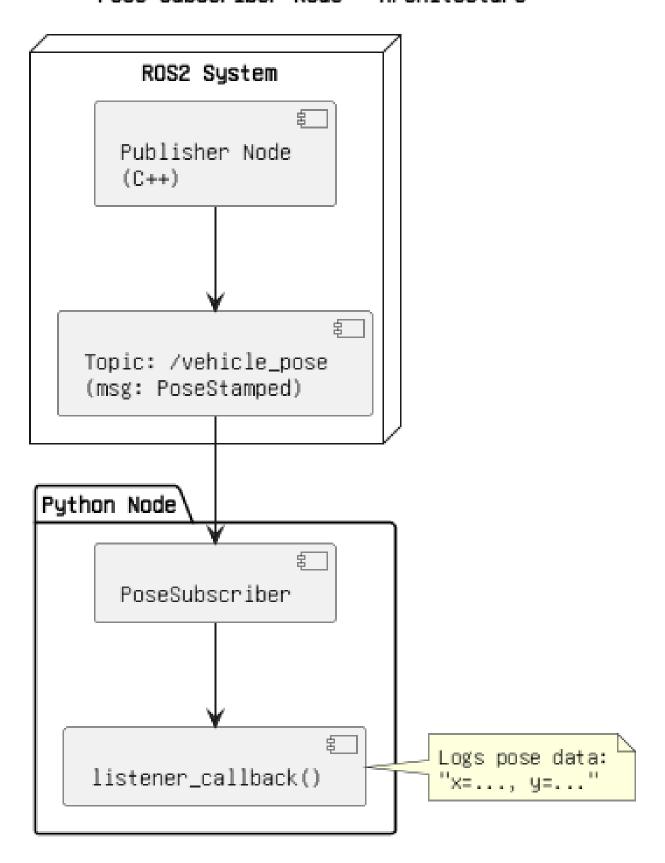


Figure 1: Architecture.png

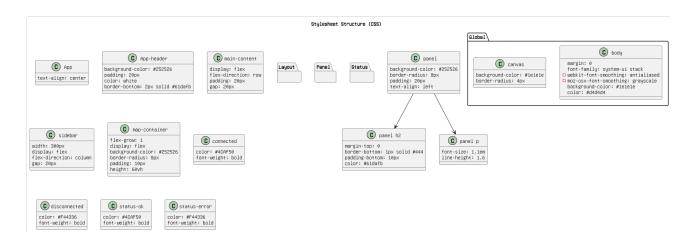


Figure 2: CSS.png

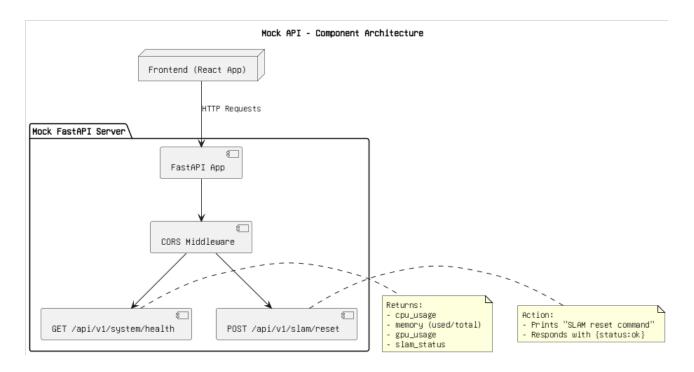


Figure 3: Component architecture.png

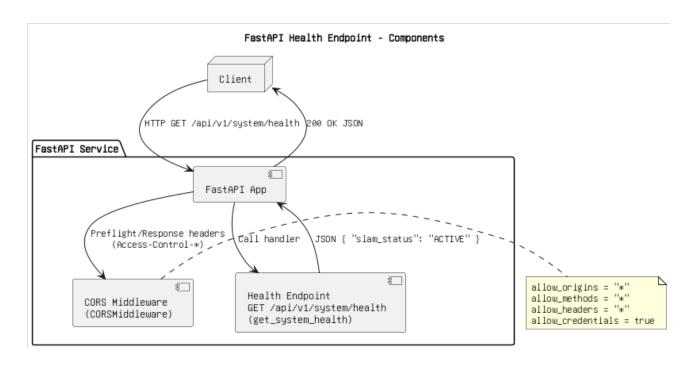


Figure 4: Components.drawio.png

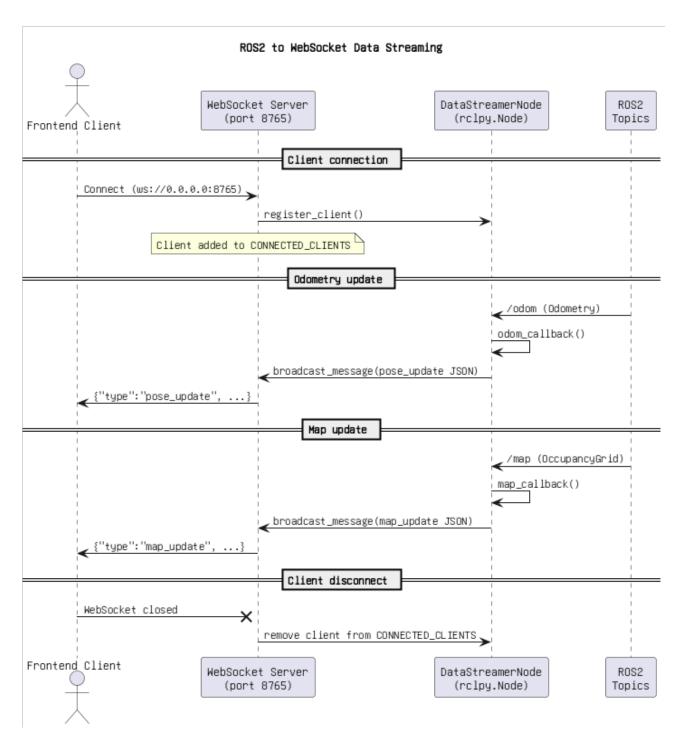


Figure 5: Data Streaming.png

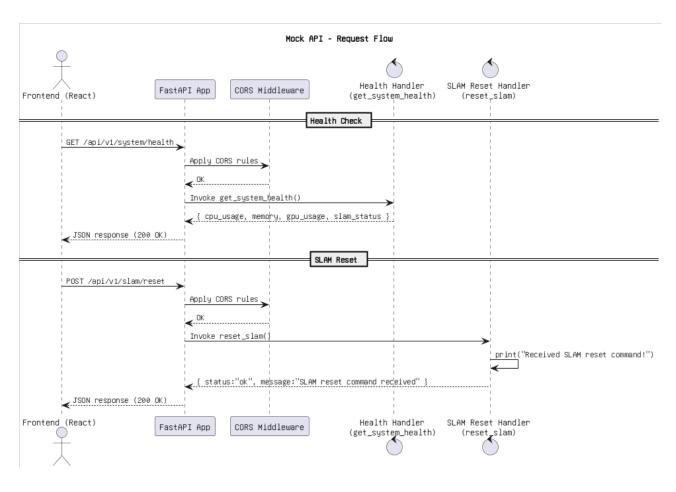


Figure 6: Mock api request flow.png

Makefile - Project Orchestration

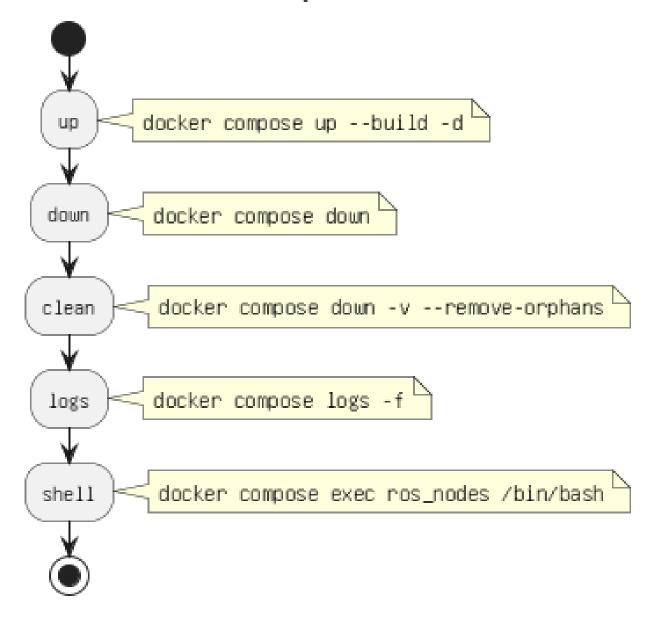


Figure 7: Project Orchestration.png

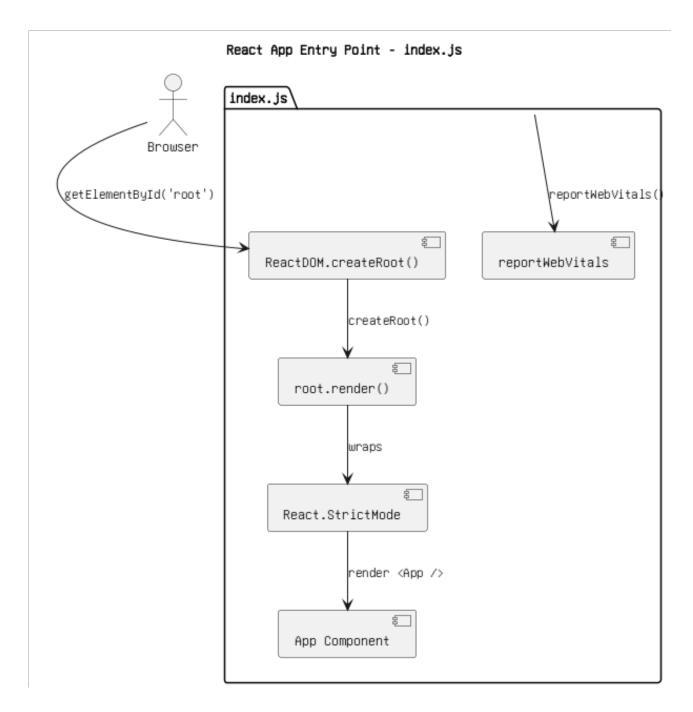


Figure 8: React App Entry Point - index.js.png

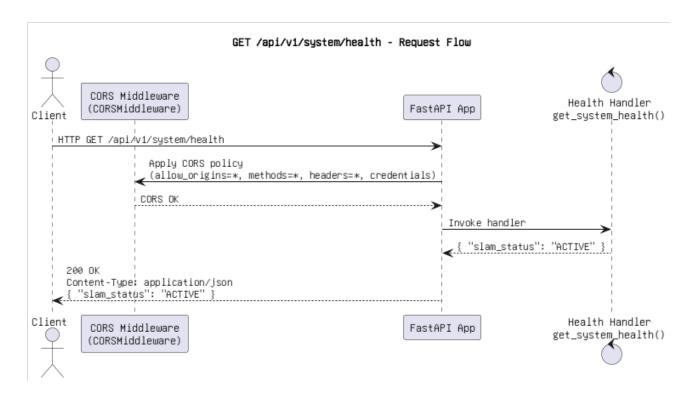


Figure 9: Request flow .drawio.png

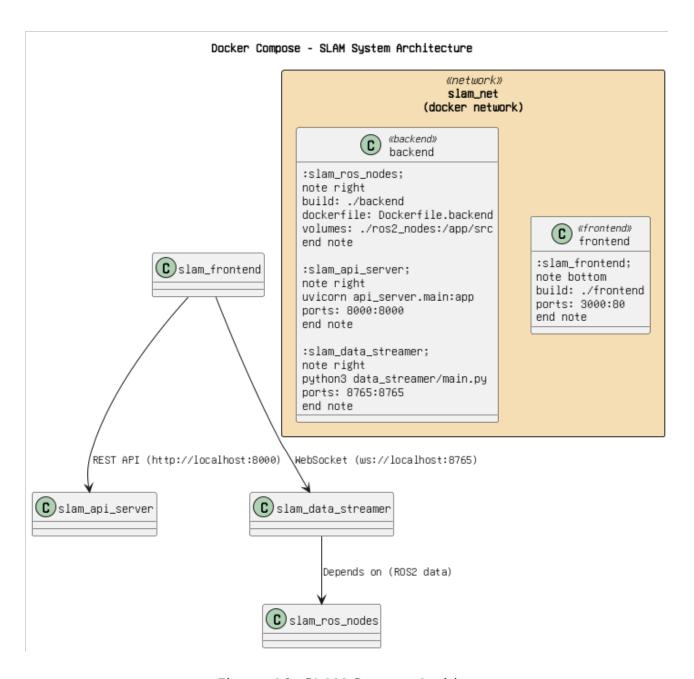


Figure 10: SLAM System Architecture.png

Dockerfile Build Process

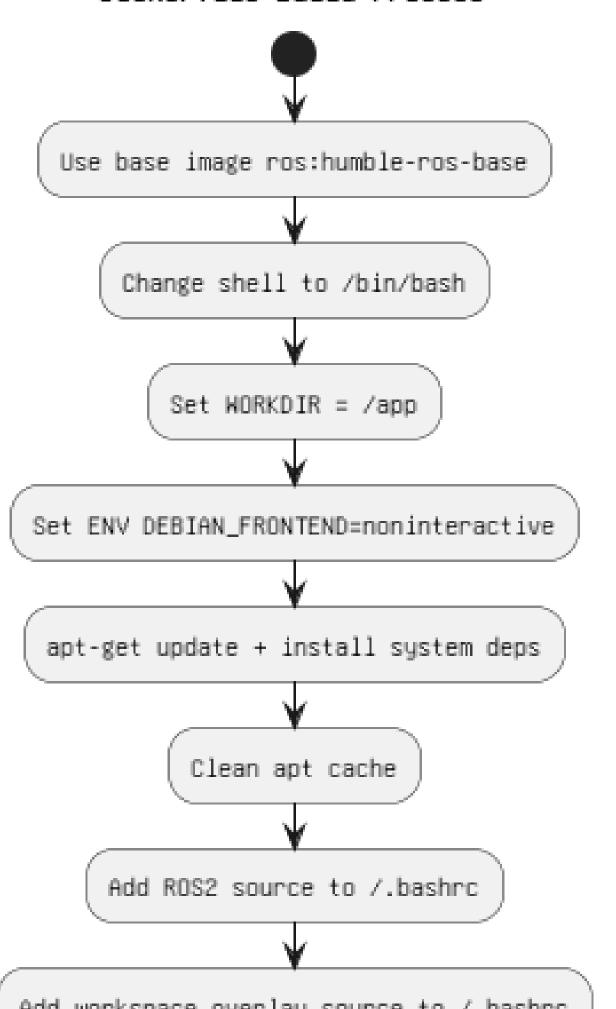


Figure 11: build process flow.png

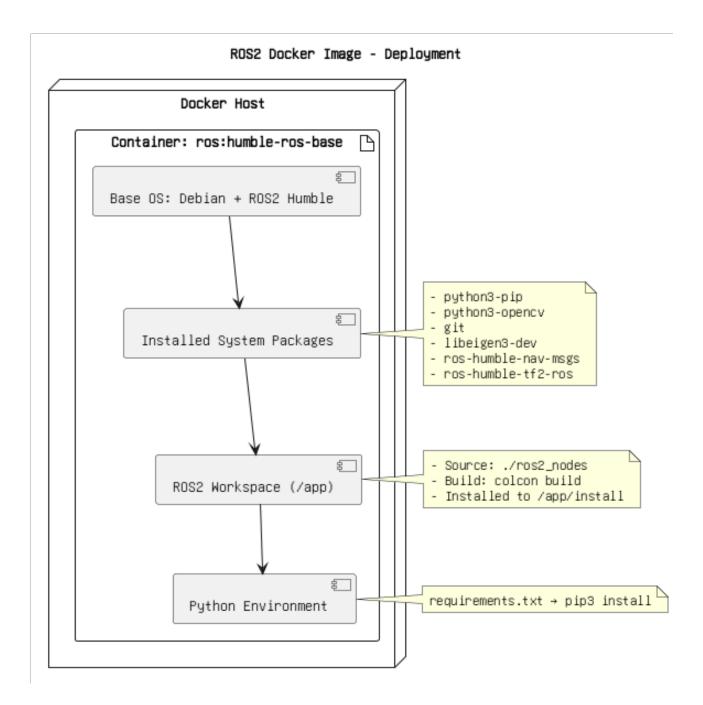


Figure 12: container setup.png

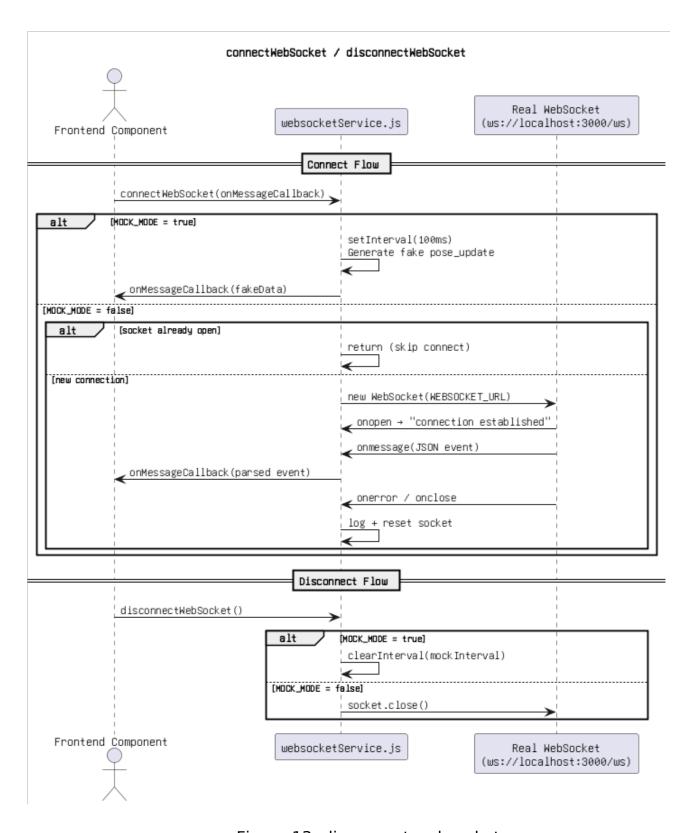


Figure 13: disconnect websocket.png



Figure 14: global css structure.png

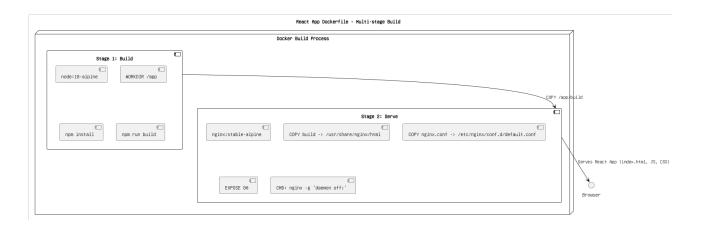


Figure 15: multi stage build.png



Figure 16: package.json.png

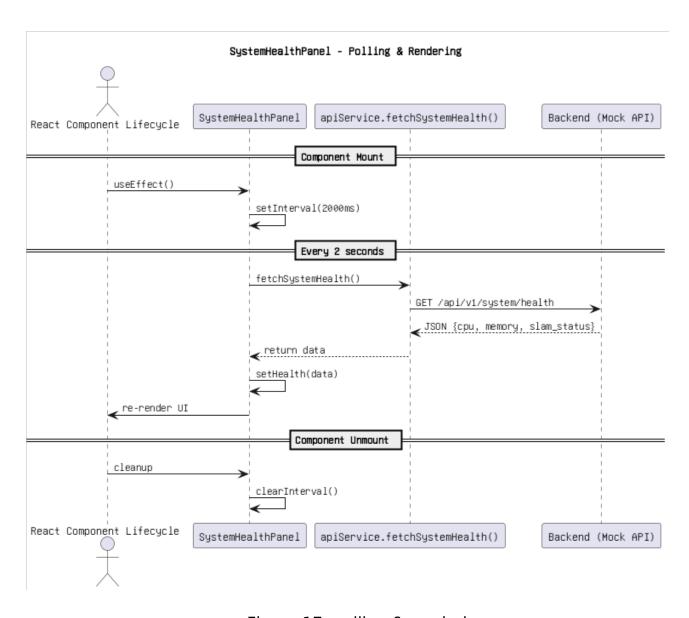


Figure 17: polling & rendering.png

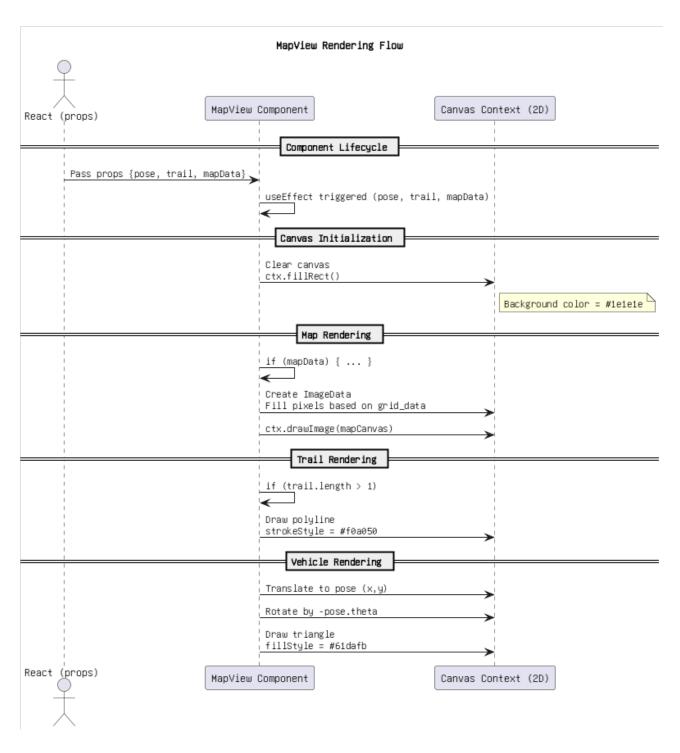


Figure 18: rendering flow.png

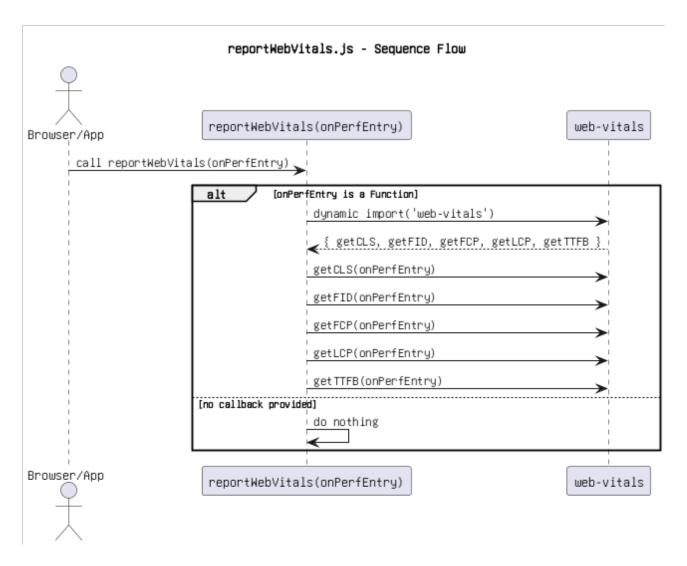


Figure 19: reportWebVitals.js - Sequence Flow.png

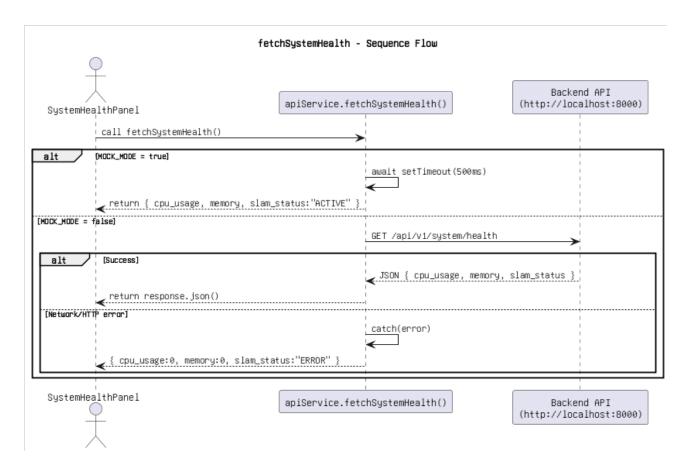


Figure 20: sequence flow.png

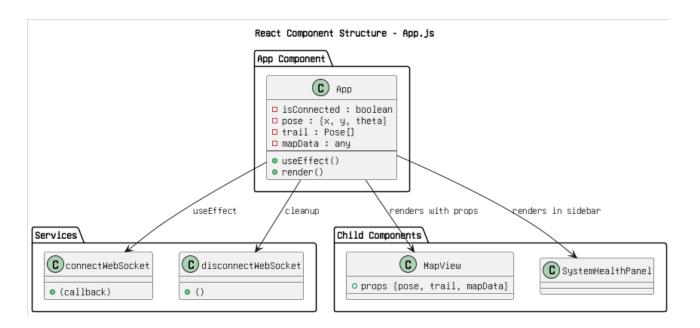


Figure 21: structure app.js.png

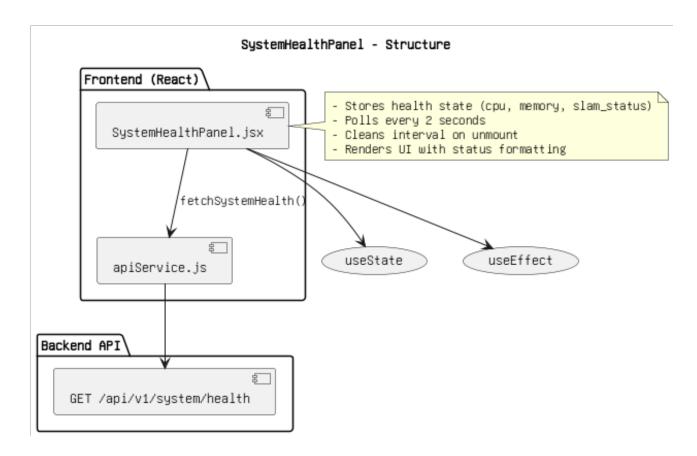


Figure 22: structure(1).png

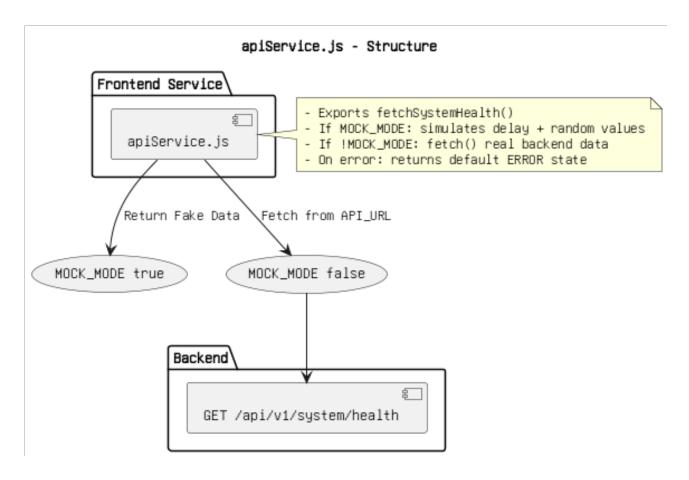


Figure 23: structure(2).png

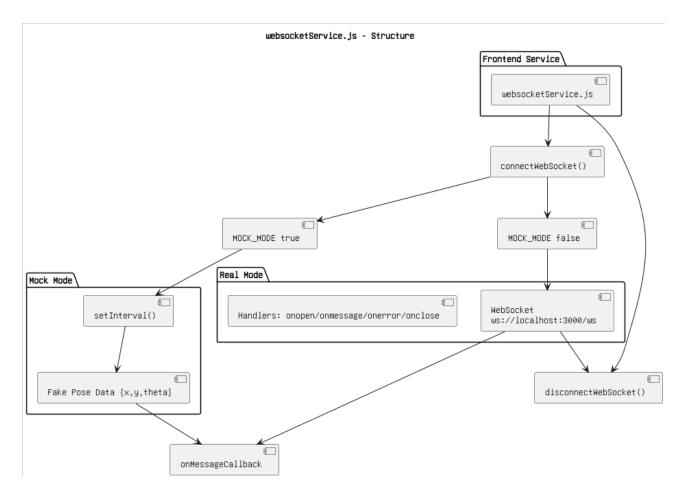


Figure 24: structure(3).png

Figure 25: structure.png

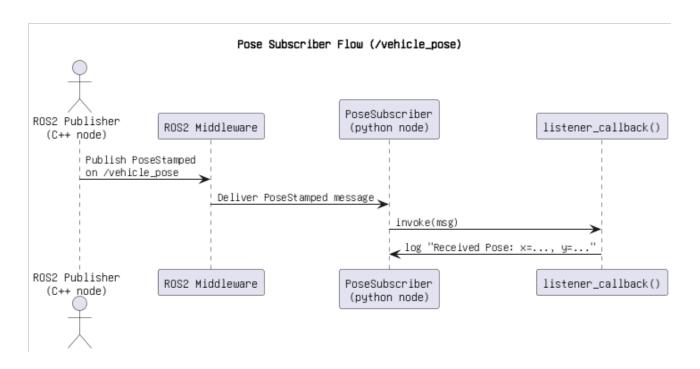


Figure 26: vehicle_pose.png