To realize the security case for Instant Messaging (IM) software based on your given pattern, we need to instantiate the placeholders '{}' with specifics about IM software. Let's replace the placeholders and build the hierarchical tree from top-down.

### Instant messaging (IM) Software Security Case:

- \*\*Goal (G1, "IM software is acceptably secure in desktop and mobile systems")\*\*

- \*\*Context (C1, "IM software includes components such as message dispatcher, user authentication modules")\*\*

- \*\*Context (C2, "Systems include desktop OS like Windows, macOS and mobile OS like Android, iOS")\*\*

- \*\*Context (C3, "Acceptably secure means meeting industry standards for encryption, data protection, and access control")\*\*

- \*\*Strategy (S1, "Argument that IM software assets are under protection")\*\*

- \*\*Justification (J1, "Protection of IM software assets supports that the software is acceptably secure")\*\*

- \*\*Goal (G2, "All identified IM software critical assets are protected")\*\*

- \*\*Context (C4, "IM software critical assets include user data, message content, login credentials")\*\*

- \*\*Strategy (S2, "Respective arguments of IM software critical assets")\*\*

- \*\*Justification (J2, "Relationship between assets is clear and can be argued separately")\*\*

- \*\*Goal (G3, "IM software critical asset is protected")\*\*

- \*\*Strategy (S3, "Argument for the type to which the IM software critical asset belongs")\*\*

- \*\*Context (C5, "List of software critical asset types in the publically disclosed software environment description documents (PEDD)")\*\*

- \*\*Justification (J3, "Types of software assets are according to PEDD")\*\*

- \*\*Goal (G4, "IM software critical asset which belongs to type 'encryption keys' is protected")\*\*

- \*\*Goal (G4, "IM software critical asset which belongs to type 'user databases' is protected")\*\*

- \*\*Goal (G4, "IM software critical asset which belongs to type 'configuration files' is protected")\*\*

- \*\*Goal (G4, "IM software critical asset which belongs to type 'communication channels' is protected")\*\*

This hierarchical structure now comprehensively describes a strategy to secure "IM software" using the structured arguments encapsulated within various goals, supporting strategies, justifications, and related contexts, enhanced for understanding how the IM software is protected on various systems it operates under. Each goal, strategy, context, and justification described here corresponds directly with an element in the original pattern with placeholders now instantiated to apply specifically to IM software environments.