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Review SubPool Subscription Sharing Platform for Digital Services

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Abstract: *The rapid growth of digital platforms such as OTT, music, gaming, cloud, and AI-based services has significantly increased user dependence on subscription-based models [3]. While these platforms offer uninterrupted premium access, managing multiple subscriptions often leads to financial strain on individual users [3]. This paper presents SubPool, a cloud- based platform designed to simplify subscription sharing among verified users through dynamic pooling and an escrow-based payment mechanism [3]. The system integrates Flutter for cross- platform functionality [6], Firebase for authentication, database management, and automation [2], [5], and Razorpay for secure payment handling [3]. SubPool introduces three pooling mod- els—Standard, Rental, and Instant—that allow users to share costs based on their preferred duration of access [3]. Automated workflows handle payment verification, pool activation, and renewal, while SQLite enables offline accessibility [2], [5]. The platform enhances affordability, security, and transparency in subscription management, making it suitable for a wide range of digital services, including OTT, gaming, cloud, and AI-based applications [3]. This approach provides a sustainable and secure alternative to traditional account sharing while maintaining compliance with payment integrity and user trust [3].*

Keywords: reconnaissance, automation, Nmap, Amass, OSINT, attack surface mapping, cloud integration

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