Revolutionizing Startup Funding: A Centralized Platform for Startup Investment Using Full Stack Web Technologies and Blockchain Technology

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Abstract: *Our funding platform now operationalizes secure, real-time startup investments by leveraging blockchain technology and smart contracts for automated fund management. Using a React. js-based frontend and a Spring Boot based backend, the system seamlessly transfers funds upon meeting specified conditions, ensuring transparency, security, and immediate investor confidence. The platform originated from the need to overcome traditional funding barriers, streamlining equity crowdfunding and angel investing while eliminating manual intervention. By automating fund releases and incorporating rigorous regulatory compliance, the solution empowers startups and investors with a trust-enhanced, efficient financial ecosystem. This report highlights the implementation specifics, smart contract functionalities, real-money transaction processing, and observed improvements in system performance*

Keywords: Blockchain; Equity Crowdfunding; Angel Investing; Startup Ecosystem; startups Capital; MERN Stack; Investment Platforms; Financial Technology (FinTech); Transparency; Digital Fundraising