

Secure and Efficient Banking Solution

Guardian Bank

A SPRING BOOT APPLICATION



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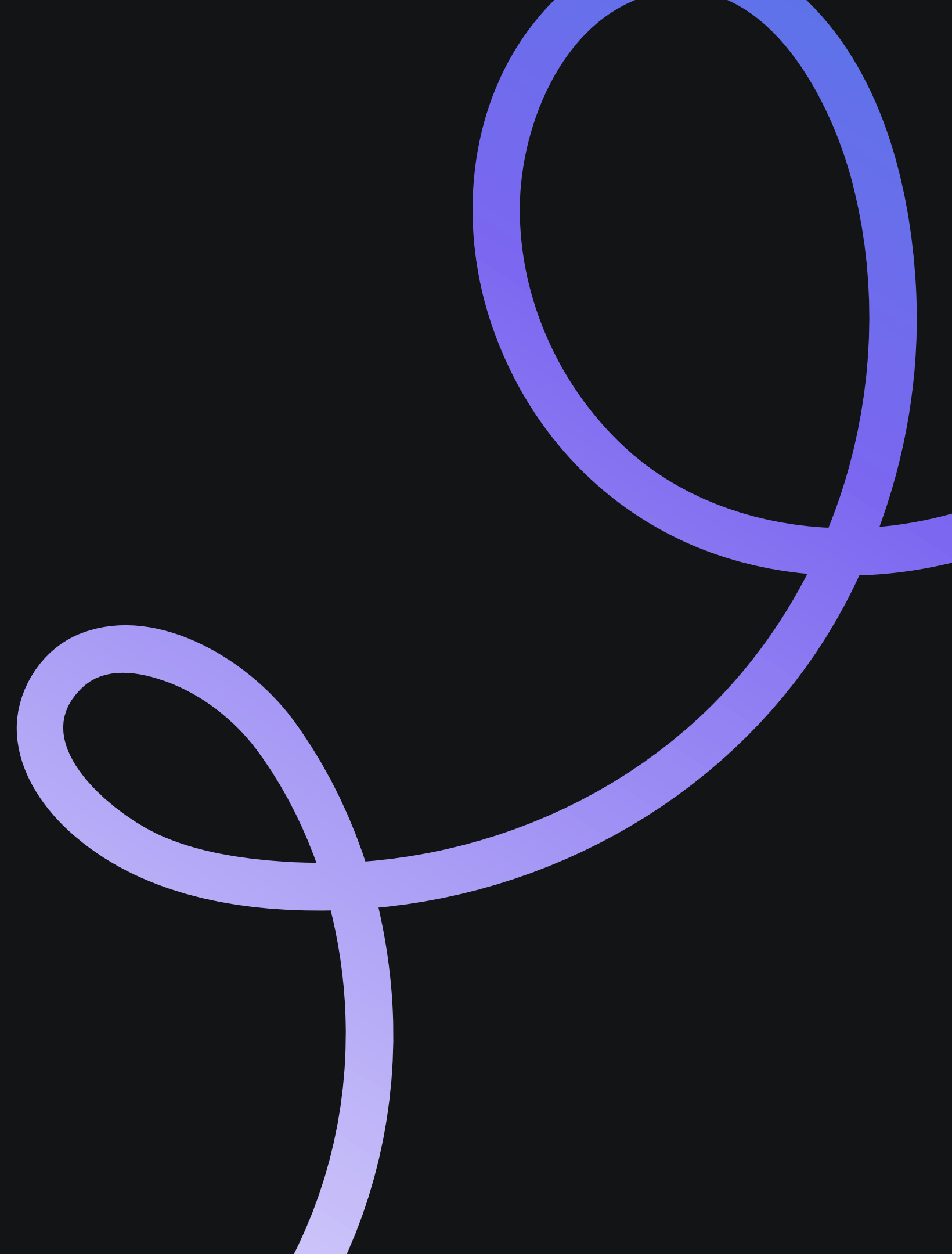
About my App

Guardian Bank is a secure and efficient banking application developed using Spring Boot and Java. This application provides robust banking features ensuring safety and convenience for users.

- To provide secure and efficient banking services.
- To ensure robust security measures.

Technology Stack:

- Backend: Spring Boot
- Database: MySQL for Spring Data JPA
- Security: JWT Authentication with Spring Security
- RESTful API: For seamless interaction between client and server
- Utilities: Lombok, SLF4J for logging
- API Testing: Postman
- Code Analysis: SonarQube



Architecture

- 1 Controllers: Handle HTTP requests and manage responses.
- 2 Services: Contain business logic for various functionalities.
- 3 Repositories: Interface with the database.
- 4 Entities: Represent database tables.
- 5 RESTful API: Ensures interaction through standard HTTP methods (GET, POST, PUT, DELETE).

Key Features

01

User Authentication

- Secure Login and Logout: Users authenticate via JWT tokens, ensuring secure sessions.
- User Registration: New users can register by providing necessary details, with passwords securely hashed.

02

User Management

- Profile Update: Users can update their personal information, such as email, phone number, etc.
- Account Details: View detailed information about user accounts, including balance and account type.

Key Features

03















Account Management

- Create New Accounts: Users can create various types of accounts like savings, checking, etc.
- Manage Existing Accounts: Users can update account details and view account statements.

04

Transaction Management

- Payment Processing: Users can make payments to other accounts.
- Fund Transfers: Users can transfer funds between their own accounts or to other users.
- Withdrawals: Users can withdraw funds from their accounts.
- Deposits: Users can deposit funds into their accounts.
- Transaction History: Users can view their transaction history, formatted for readability.

- ▼  java
 - ▼  com.ishaank.Projects.GuardianBank
 - >  bootstrap
 - >  config
 - >  controller
 - >  dto
 - >  entity
 - >  enumeration
 - >  filter
 - >  impl
 - >  repository
 - >  service
 - >  utils
 -  GuardianBankApplication