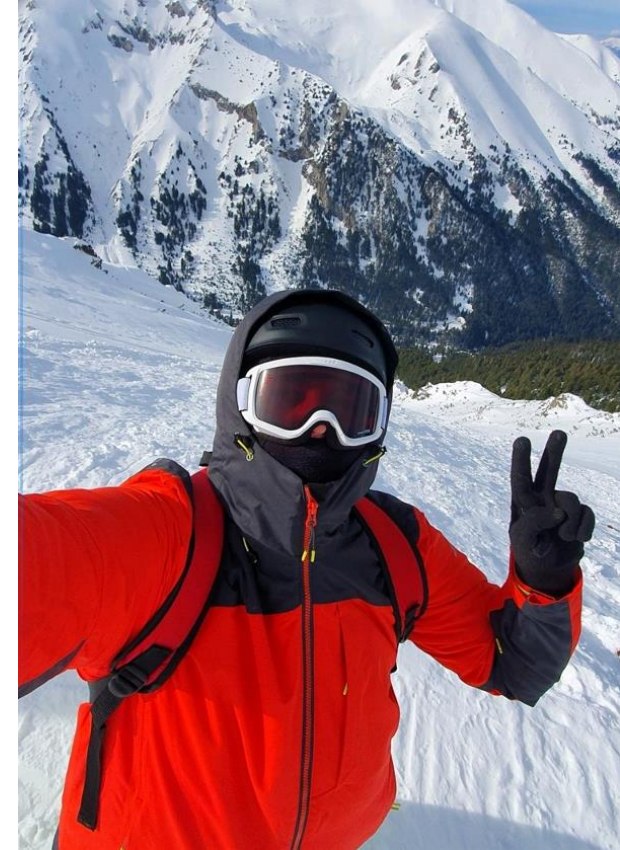# Who are we?

Martin Kuyumdjiev
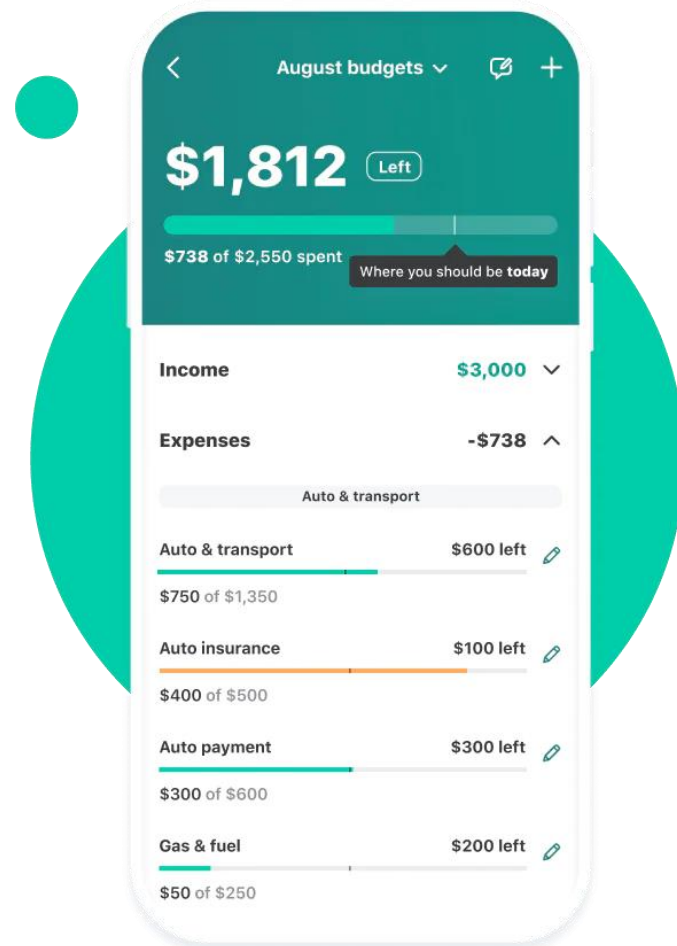
Vasil Vazonov

Cadets in IT Talents Season 14

Finance Tracker app

Technologies

- Java 17
- Hibernate
- Maven
- Spring Boot

Software
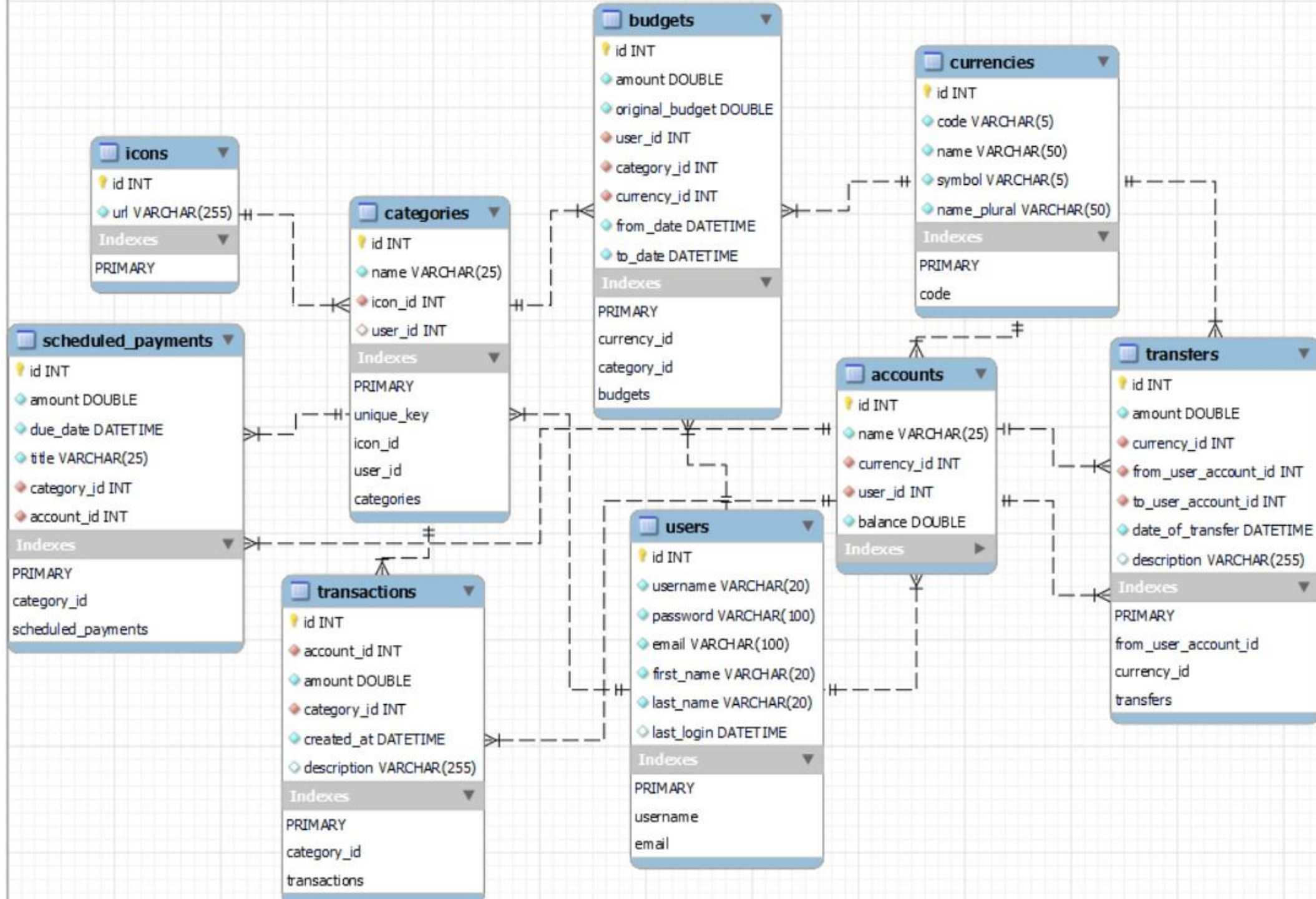
- IDE Intelij Idea
- MySql Workbench
- GIT
- Postman

API's

- IText
- Lombok
- JavaMail through Gmail smtp
- exchangeratesapi.io for currency exchange
- Spring Data JPA
- ModelMapper
- Bcrypt

- com.app.finance_tracker
  - controller
    - AbstractController
    - AccountController
    - BudgetController
    - CategoryController
    - ScheduledPaymentController
    - TransactionController
    - TransferController
    - UserController
  - model
    - dao
      - TransactionDAO
      - TransferDAO
    - dto
      - accountDTO
      - budgetDTO
      - categoryDTO
      - currencyDTO
      - scheduledpaymentDTO
      - transactionDTO
      - transferDTO
      - userDTO
      - DateFilterDTO
      - ErrorDTO
      - MessageDTO
- entities
  - Account
  - Budget
  - Category
  - Currency
  - Icon
  - ScheduledPayment
  - Transaction
  - Transfer
  - User
- exceptions
  - BadRequestException
  - InvalidArgumentsException
  - NotFoundException
  - UnauthorizedException
- repository
  - AccountRepository
  - BudgetRepository
  - CategoryRepository
  - CurrencyRepository
  - IconRepository
  - ScheduledPaymentRepository
  - TransactionRepository
  - TransferRepository
  - UserRepository
- utility
  - validation
    - AccountValidation
    - BudgetValidation
    - TransferValidation
    - UserValidation
  - EmailServiceImpl
  - PdfGenerator
  - SecurityConfig
- service
  - AbstractService
  - AccountService
  - BudgetService
  - CategoryService
  - CurrencyExchangeService
  - IconService
  - ScheduledPaymentService
  - TransactionService
  - TransferService
  - UserService
- FinanceTrackerApplication

budgets
- id INT
- amount DOUBLE
- original_budget DOUBLE
- user_id INT
- category_id INT
- currency_id INT
- from_date DATETIME
- to_date DATETIME

Indexes
- PRIMARY
- currency_id
- category_id
- budgets

currencies
- id INT
- code VARCHAR(5)
- name VARCHAR(50)
- symbol VARCHAR(5)
- name_plural VARCHAR(50)

Indexes
- PRIMARY
- code

icons
- id INT
- url VARCHAR(255)

Indexes
- PRIMARY

categories
- id INT
- name VARCHAR(25)
- icon_id INT
- user_id INT

Indexes
- PRIMARY
- unique_key
- icon_id
- user_id
- categories

scheduled_payments
- id INT
- amount DOUBLE
- due_date DATETIME
- title VARCHAR(25)
- category_id INT
- account_id INT

Indexes
- PRIMARY
- category_id
- scheduled_payments

transfers
- id INT
- amount DOUBLE
- currency_id INT
- from_user_account_id INT
- to_user_account_id INT
- date_of_transfer DATETIME
- description VARCHAR(255)

Indexes
- PRIMARY
- from_user_account_id
- currency_id
- transfers

accounts
- id INT
- name VARCHAR(25)
- currency_id INT
- user_id INT
- balance DOUBLE

Indexes

transactions
- id INT
- account_id INT
- amount DOUBLE
- category_id INT
- created_at DATETIME
- description VARCHAR(255)

Indexes
- PRIMARY
- category_id
- transactions

users
- id INT
- username VARCHAR(20)
- password VARCHAR(100)
- email VARCHAR(100)
- first_name VARCHAR(20)
- last_name VARCHAR(20)
- last_login DATETIME

Indexes
- PRIMARY
- username
- email

Finance Tracker App

Users
- Register
- Login – Logout
- Update profile

Accounts
- Create/Update
- Get all own acc
- Add money

Budgets
- Create/Update/Delete
- Get by Id
- Get all for user

Categories
- Create/Update/Delete
- Get All/By Id/By name
- Upload/Download Image

Scheduled Payments
- Create/Update/Delete
- Get By Id
- Get All

Transactions
- Create
- Get All/By Id
- Get All filtered
- Download reference

Transfers
- Create
- Get All sent/received
- Get By Id
- Get All Filtered
- Download reference

Demo Time?