

Skills

Programming: Algorithms and Data Structures, Java, Android, Kotlin, C++, Python, Django, Git, C#, Docker, Angular, Scala, Akka, Dart, Flutter

Languages: Kazakh (native), Russian (native), English (fluent), Romanian (beginner)

Education

Kazakh-British Technical University, Almaty, Kazakhstan, September 2016 - Present (Expected graduation 2020)

BS, Information Systems

- **Exchange student** October 2018-February 2019
 - Won a scholarship from the Ministry of Science and Education, to study one semester in Babes-Bolyai University, Cluj-Napoca, Romania.
- **ACM ICPC-styled competitions**
 - Participant of various local contests like KBTU OPEN, IITU OPEN.

Experience

Junior Android Developer at [CodeBusters](#), Almaty, Kazakhstan

April 2019 - Present

Kairat - Android mobile application for Kairat football team where user can observe football events, buy tickets.

<https://play.google.com/store/apps/details?id=kz.kairat>

- Developed full structure of application following single activity app architecture in Kotlin
- Supported MVVM-architecture and Repository-pattern
- Used Retrofit with RxJava2, Koin as Dependency Injection

1Fit - Android mobile application combining all fitness clubs in the city in one place with own payment system.

<https://play.google.com/store/apps/details?id=com.codebusters.onefit&hl=en>

- Developed different difficult custom views of graph statistics of users' trainings
- Used kotlin-coroutines for async operations, Dagger2 as Dependency Injection

Assistant of Professor at Kazakh-British Technical University, Almaty, Kazakhstan

September 2019 - Present

- Checked quizzes and laboratory works in Java
- Helped and explained difficult topics for 500+ students

Awards & Honors

- **Mathematics Competition in West-Kazakhstan region** March 2013-2016
 - 1st, 3rd places out of 40 teams
- **Creative Code Hackathon, Placed in the top 10 teams out of 30 participants** March 2019
 - Designed and implemented telegram bot - complaint book. It takes messages from user, shows suggestions to the administrator.
 - Used python and telegram bot api.
- **HackNU Finalist, won 3st place out of 100+ participants** March 2019
 - Mobile application, helping to interviewers to pick up appropriate questions to candidates.
 - Designed the structure of Android application, and Implemented using Firebase as backend service.

Personal projects

A link prediction algorithm based on ant colony optimization

github.com/zhanlederzach/Ant-colony-link-prediction

- Implemented full link prediction algorithm in complex networks using ant colony optimization in Java

My Food - application for matching food compatibility

github.com/zhanlederzach/Project-.Net

- Designed a full structure of the application on .NET Windows Forms using C#, implemented logic of matching foods according to their carbohydrates, proteins, and fats. Used PostgreSQL for database.

Minesweeper - game

github.com/zhanlederzach/minesweeper-flutter

- Implemented the structure of full game in Flutter, where user need to find and mark all the mines hidden under the squares in shortest time possible

Other

Github: [zhanlederzach](https://github.com/zhanlederzach)