

# Dzholdoshbek Karataev

LinkedIn — Github

Email : joldosh.k@gmail.com

WhatsApp/Telegram : +996-772-152-303

Mobile UAE : +971-525-041-218

## EDUCATION

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- **42 Abu Dhabi coding school** Abu-Dhabi, UAE  
*Is an innovative software engineering school* *February 2022 - present time*
- **Kyrgyz Republic Japan Center for Human Development** Bishkek, Kyrgyzstan  
*Practical Business Management Course (MINI-MBA)* *September 2017 - December 2017*
- **Kyrgyz National University** Bishkek, Kyrgyzstan  
*Center for Management of Information Systems and Technologies* *September 2000 - June 2005*

## PROGRAMMING SKILLS

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- **Programming languages:** C, C++, Swift

## MY PROJECTS

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- **Philosopher** (in progress) the project proposes to model a multi-stream system in which philosophers sit at a table and each philosopher is represented by a separate stream, and they must synchronize their activities in order to alternate between thinking and eating. In addition, the system should be designed to prevent deadlocks and starvation, and to ensure that each philosopher has an equal opportunity to eat.
- **Minishell** is a simplified version of a full-featured shell, such as Bash or Zsh. It provides basic shell features, including command-line editing, history, and completion
- **Push-Swap** is a project where two programs are created: one sorts a list of integers and the other checks if it is correctly sorted. It teaches about stack data structures and sorting algorithms.
- **So-Long** is a 2D computer graphics project that uses a .ber map file, displays image in a window, allows for movement, but not into walls, player must collect all collectibles, escape and choose the shortest route, and displays current number of movements.
- **Get-Next-Line** is a project wrote in C, that reads a line from a file descriptor and returns it as a string. It can handle multiple file descriptors and manages memory allocation.
- **Born2beroot** is a project that involves setting up and securing a Linux-based server using a minimal installation of Debian 10
- **Ft-Printf** is a project in the C programming language that involves recreating the standard C library function printf.
- **Libft** is a C library that includes basic functions for memory allocation, string manipulation and conversion, it is used for educational purposes.

## EXPERIENCE

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- **LLC "PutInByte"** Bishkek, Kyrgyzstan  
*Director of Development* *June 2014 - January 2021*
  - **OJSC "Finance Company Credit Union"** Bishkek, Kyrgyzstan  
*Database Programmer* *July 2013 - June 2014*
  - **CJSC "Silcom"** Bishkek, Kyrgyzstan  
*Data Processing Software Engineer* *September 2011 - July 2013*
  - **OJSC "Linia Prava Uranium"** Bishkek, Kyrgyzstan  
*Data Processing Software Engineer* *February 2008 - September 2011*
  - **World Bank Project** Bishkek, Kyrgyzstan  
*Development of mining industry* *May 2006 - March 2007*
  - **State Agency on Geology and Mineral Resources under the Government** Bishkek, Kyrgyzstan  
*Software Engineer of 1st category* *May 2006 - February 2008*
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