Aleksandr Agapitov

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EDUCATION

RUTGERS UNIVERSITY
BS in Computer Science
May 2020 | New Brunswick, NJ
School of Arts and Sciences

LINKS

Github:// Cushionyten0
LinkedIn:// Aleksandr Agapitov
Hackerrank:// cushionyten0
Personal website:// aleksvagapitov.me

COURSEWORK

UNDERGRADUATE
Internet Technology
Principles of Information and Data Management
Principles of Programming Languages
Design and Analysis of Computer Algorithms
Discrete Mathematics
Linear Optimization
Numerical Analysis
Computer Architectures

SKILLS

PROGRAMMING LANGUAGES
Over 1000 lines:
- C# with ASP.NET Core 2.0
- Python
- Java
- C/C++/Objective-C
Familiar:
- MySQL
- Bash Scripting
- MongoDB
- CSS
- Assembly
- Javascript with AngularJS

TECHNOLOGIES:
Amazon AWS: RDS and EC2/ECS
Docker
Travis-CI
Postman

PROJECTS

TRIP PLANNER AND RECORDER
C# with ASP.NET | 2018
Website for tracking the travel locations within trips. Written in C# using Asp.Net Core 2.0
• Authentication through Asp.Net Identity
• Implemented full deployment lifecycle Github/Travis-CI/AmazonEC2
- Code gets pushed to git, Travis-CI picks it up and passes the connection information for Amazon RDS and EC2 without any sensitive information being present in the repository itself.
- Website also utilizes Docker Container in order to provide reliable deployment to any machine
• Used Asp.Net EntityFrameworkCore to communicate with MySql database
• Used Angular JS to put less strain on server as well as implementing interactive features
• Used Google Maps API as well as Bing API to create a map consisting of accurate location of all cities in the Trip
• Implemented REST API

IOS CALCULATOR
Objective-C | 2015
Mobile Calculator App
• Senior Year High-School Project made using Objective-C

CLASS PROJECTS

PRINCIPLES OF INFORMATION AND DATA MANAGEMENT
Java and MySQL | 2018
A Website imitating the use of Ebay
• Implemented using Java, with main focus being on SQL queries to retrieve information such as SalesReports and number of sales as well as revenue for a user.
• Hosted through Tomcat and AWS

INTERNET TECHNOLOGY
Python | 2018
A set of Client/Server type projects
• Wireshark Labs
- First project for printing "Source IPs/Destination TCP ports count" in a .pcap files
- Second project for finding Probes/Scans and printing out source IP's in a .pcap files
• Reliability: Selective Repeat

COMPUTER ARCHITECTURES
C | 2017
Y86 Emulator
• Program that emulates Y86 instructions on Intel host computer system.