Aleksandr Agapitov

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EDUCATION

RUTGERS UNIVERSITY
School of Arts and Sciences
B.S. Computer Science
December 2019 | New Brunswick, NJ

LINKS

Github:// aleksvagapitov
LinkedIn:// aleksvagapitov

COURSEWORK

COMPUTER SCIENCE

CS419 - Computer Security
CS352 - Internet Technology
CS336 - Principles of Information and Data Management
CS314 - Principles of Programming Languages
CS344 - Design and Analysis of Computer Algorithms
CS323 - Numerical Analysis

MATHEMATICS

MATH354 - Linear Optimization
MATH251 - Multivariable Calculus

SKILLS

LANGUAGES

- C# ASP.NET
- Angular, Javascript, HTML, CSS
- SQL, MongoDB
- Bash, Python, Powershell

INFRASTRUCTURE

- OS: Linux, Windows, MacOS
- Containers: Docker
- VPS: AWS, Azure, DigitalOcean
- Provisioners: Terraform
- CI/CD: TeamCity, Travis-CI

EXPERIENCE

TDK ELECTRONICS INC. | Software Engineering Intern
Apr 2019 - Present | Iselin, NJ
Worked on a development team to plan, design and develop an application to process quotes, make requests for parts as well as to track shipments

- Developed management system which supports Distribution Sales Department
- Worked with C#, ASP.NET, ADO.NET, MSSQL
- To deliver a great user experience the following Javascript Frameworks were used: Angular, Datatables and Handsontable

PROJECTS

TRIP PLANNER AND RECORDER | Link
May 2018 - Dec 2018
A website for tracking the travel locations within trips. Written in C# using ASP.NET Framework

- Authentication through ASP.NET Identity
- Implemented full deployment lifecycle Github/Travis-CI/AWS EC2/Docker
- Communicated with MySQL database using Entity Framework
- To minimize the strain on the server as well as to provide interactive features Angular JS was used
- Created a map consisting of accurate locations of all cities in a Trip using Google Maps API as well as Bing API

CYBER SECURITY TOOLS
Jan 2019 - May 2019
End-To-End Encrypted Communication

- Implemented a solution for encrypting files using public key and decrypting using private key

Substitution Cipher Decryptor

- Implemented Algorithms to break substitution ciphers programmatically using Python

AUCTION WEBSITE
Jan 2018 - May 2018
A website for creating an action for an item, bidding, buying out and calculating profits

- Implemented using Java with Java Server Pages Extension, with main focus being on SQL queries to retrieve information such as SalesReports as well as revenue for a user.
- Hosted on AWS using Tomcat