Jeremy Gavrilov

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EDUCATION

Syracuse University, College of Engineering and Computer Science: Syracuse, NY   May 2021
Major: Computer Science (B.S)

TECHNICAL SKILLS

Strong: Java, Python, AWS, JavaScript, TypeScript, Data Structures, Algorithms
Experienced: Swift, Firebase, Next.js, React, Haskell, SQL, R, C/C++, Ubuntu, Unix/Linux, OpenGL, HTML5/CSS3, MIPS Assembly

EXPERIENCE

Software Development Engineer I, Amazon.com LLC   July 2021 - March 2023

Designed and implemented new features for Amazon's central marketplace and filtering service for personalized recommendations on retail pages, utilizing AWS services such as S3, Lambda, IAM, Gateway, Cloudwatch, and EC2 for secure, scalable, and robust solutions.
Handle operations on-call duties (DevOps) to improve service maintainability and provide 99.9% availability during regular rotations and peak events.
Collaborate with internal teams to build integration testing frameworks and a command-line interface (CLI) to improve the developer experience.
Conduct code reviews and write automated JUnit and integration tests to maintain code quality and ensure software reliability.

PROGRAMMING PROJECTS - GITHUB.COM/JGAVRILO

Amazon Web Scraper   July 2020 - August 2020

Developed a Python-based web scrapper to search products on Amazon, using Selenium for automation.
The script creates a JSON file to display and sort product information, with the best valued item displayed first.
Optimized the program by implementing Chromedriver to continuously scrape the given web page, using the highly efficient w3c standard protocol.

Stock Market Data Analysis   April 2020 - May 2020

Developed a Python program to estimate a stock's overall worth at the end of a given day based on keyword analysis of live Twitter feeds.
Utilized TextBlob to estimate the overall polarity of incoming tweets and compile them to create an overall polarity of public opinion on Twitter.
Employed AlphaVantage, Numpy, and MathPlotLib libraries to display data on how stocks have progressed in recent time and store that information in a separate file for further analysis.

InfoBytes   February 2020

Designed and developed an application that quickly determines whether a packaged food item fits a user's dietary restrictions by scanning the item's barcode while shopping.
Integrated the FoodData Central API to pull information from a product using its Universal Product Code (UPC).
Recognized with the Best Inclusive Hack award at the CuseHacks Hackathon.

SKILLS / INTERESTS

Languages: Fluency in Russian
"Guiding myself down the endless path of baking the best Brownie at 3am"
"Achieving the supreme combination of exercise and relaxation while longboarding short distances to meet friends"
"The sheer adrenaline rush I receive when I save a goal for my team in soccer"