Kemar James

(585)309-8730 | kkj7854@rit.edu | www.linkedin.com/in/kemar-james-6b196a6b/

OBJECTIVE: A dedicated and enthusiastic learner seeking a full-time position that enables me to think creatively to find solutions to problems that drive the growth of my employing organization. Available May 2022.

EDUCATION
Rochester Institute of Technology (RIT), Rochester, New York, USA   Expected May 2022
Master of Science, Software Engineering   GPA: 4.0
Related Courses: Software Construction (Java Data Structures and Algorithms), Model-Driven Development, Software Quality Assurance, Software Architecture, Engineering Cloud Software Systems

University of the West Indies, Mona Kingston, Jamaica   Earned July 2015
Bachelor of Science, Electronics Engineering   GPA: 3.95/4.3
Related Courses: Embedded Systems (C), Intro. to Object-Oriented Programming (Java)
Awards: UWI Open Scholarship Recipient

SKILLS
Programming Languages: Java, Python, HTML, CSS, C, JavaScript, Shell Scripting, PHP
Operating Systems: Linux/Unix, MS-Windows

PROJECTS

Image Search Web Application, Engineering Cloud Software Systems   Aug 2021 – Dec 2021
- Collaborated with a team of five to build a web application running in a Docker container to identify public figures in an image submitted by a user and look up information about them from Wikipedia using Amazon Web Services (AWS).
- The AWS services used for the project included: Amazon Rekognition, Fargate, Lambda, S3, SQS, API Gateway, DynamoDB.
- Developed Lambda function triggered by a SQS Queue, using Python, to query Amazon Recognition API to identify public figures in an image stored in a S3 Bucket.
- Developed Infrastructure as Code (IaC) for the project stack creation using Java Cloud Development Kit (CDK).

Patchability Project, Software Architecture   Aug 2021 – Dec 2021
- Collaborated with a team of four to develop a prototype for a patchable system using Docker containers and S3 buckets to simulate active redundant nodes.
- Developed Java application to use MinIO API to read output stored in S3 Buckets, processed it, and transferred the final results to another S3 bucket.

Web-based research paper submission system, Model-Driven Development   Aug 2020 – Dec 2020
- Collaborated with a team of three to build a web-based research paper submission system using a UML model-driven approach.
- Developed the backend for the system in Java using IntelliJ IDE and stored data using a MySQL Database.
- Assisted in the development of the web interface using HTML and CSS

Web-based Learning Space, Foundations of SW Engineering   Aug 2020 – Dec 2020
- Collaborated with a team of four to build a web-based learning space using an agile approach.
- Developed the backend for the system in Java using IntelliJ IDE and stored data using a MySQL Database.
- Assisted in the development of the web interface using HTML, CSS, and JavaScript.

Electronic Classroom Noticeboard System, Final Year Project (Undergraduate)   Aug 2014 – May 2015
- ● Designed the system using Apache web server and MySQL running a Raspberry Pi.
- ● Designed web site using PHP, JavaScript, HTML, and CSS
- ● Programmed Wi-Fi-Module using Squirrel programming to communicate to interface between web server and display.
- ● Programmed AVR microcontroller operated display using embedded C.

WORK EXPERIENCE
Software Engineering Department, RIT   Jan 2022 – Present
Graduate Assistant   Rochester, NY
- ● Provide web development and research support to Professor Mohamed Wiem Mkaouer, who specializes in application of Data Science techniques to issues related to software quality, systems refactoring, model-driven engineering and software testing.

Technical Department, Digicel Jamaica   Nov 2015 – Jan 2021
Telecommunication (Base Station Subsystem) Engineer   Kingston, Jamaica
- ● Management of Linux and Windows-based network elements and cell sites for GSM, 3G, and LTE mobile services. Management involved regular monitoring of node KPIs from tools such as Tableau, analysis of network data in Microsoft Excel, troubleshooting node issues, performing node software upgrades.
- ● Development of shell scripts to automate processes to collect data, monitor and modify network elements.
- ● Plan the physical and software integration of new nodes by collaborating with teams from domains such as IP networking, radio frequency, and power management.

EXTRACURRICULAR ACTIVITIES

- • IEEE Student Member
- • National Society of Black Engineers Member