

Kamran Raza

44 Adams Street Iselin, NJ 08830 | 732-692-7836 | razakamran1994@gmail.com | <https://www.linkedin.com/in/kr255/>

New Jersey Institute of Technology, Newark, NJ

M.S in Computer Science - August 2021 | GPA 3.5

B.S in Information Technology - May 2018 | GPA 3.6

Programmer Analyst – May 2022 – March 2024

Mitsubishi Union Financial Group, NYC

- Assisted in requirements gathering, development, testing, UAT and deployment of converting legacy shell batch processes and their respective Cronjobs to Control-M jobs.
- Provide second-line support of internal systems (MoccaLite, Polypath), engaging with business users, communicating technical concepts clearly and concisely to non-technical users of the other system (MoccaLite, Polypath).
- Worked with internal teams, identified VSTO extensions for Microsoft products. Designed, implemented and maintained a robust testing suite to enable proper VSTO plugin development for Excel, transforming business and internal platforms in a disruptive way.
- Partnered with functional business leads to understand requirements and communicate technical concepts to solve issues such as configuration of various applications such as PolyPath, assuring accurate data output.
- Formulated design and implementation requirements for complex systems following coding best practices and utilizing Object-Oriented programming and design patterns concepts
 - Implemented Camel Processes and Predicates, Transactions within Routes. Adhering to Apache Camel specifications.
 - Allowed proper access to shared variables, defined critical sections to reduce the use of large, synchronized methods.
 - Fixed multithreading problems in Camel Routes, such as state variables, synchronization issues, correct initialization of objects. Exponentially increasing the performance, order and data of the processes.
- Worked on global software development teams, communicating status/design effectively across multiple regions, documenting statuses, changes and updates via Confluence.
- Perform technical recruiting, training, and mentoring new hires.
- Conducted manual and automated deployment and testing of production environments.
- Wrote and corrected various configurations for processes such as their Camel Context, Spring configuration, .properties files.
- Worked closely with other leads in design, code and testing phases of SDLC to resolve High to Very High Veracode vulnerabilities such as log injection, SQL injections. Release fixes, features in a timely manner, under pressure.
- Successfully took part in industry-wide business continuity tests such as SIFMA. Internal business continuity tests amongst other teams, desks and offices.
- Updated, implemented and maintained existing Python tools for processing domain specific data (Winfits, MarketAxess). Using unittest to enable safe, complete, and scalable solutions across business lines. Proper handling of data, assuring accurate data to type mapping, etc.–before routing it further domains and processes (Polypaths, Queue/Topic).

Computer Skills

Java(Spring, Hibernate), Python(Flask, OOP, unittest), C#(EF Core, VSTO), C/C++(Arduino, ESP32), Apache(Kafka, Camel), Docker, AWS, SQL, MySql, Maven, Git(GitBash, EGit), HTML/CSS, JS(Angular, JQuery, AJAX)

Operating Systems

Windows(powershell, cmd.exe), Linux(Arch), FreeRTOS.

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Programmer Analyst – September 2019 - 2020

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- Responsible for maintaining the day to day responsibilities of the Application Information Systems department.
- Supported and revised critical Groovy and PHP applications such as Admission Fall 2019, Full Time Certification, Schedule Builder, and more.
- Helped implement third party solutions by Ellucian as old applications retired and continued support.
- Installed and administered development environments for all the in-house NJIT applications.
- Generated daily reports using IBM Cognos reporting tool.

Application Development Analyst – January - September 2019

Burlington Coat Factory, Burlington, NJ

- Refined the communication layer for an API client library using Java's HttpURLConnection and cURL.
- Parsed returned JSON data to Java POJOs using Jersey for the API client library.
- Responsible for designing and implementing the underlying hierarchical data structure for the in-house application.
- Refined and remodeled the application framework to overcome Java 1.7's lack of default interface behavior.
- Developed responsive GUI components adhering to business requirements with Java Swing and JDBC using the MVC pattern.
- Raised and resolved defects for Allocation Management System the internal application on a day to day basis.

Software Developer Co-op – 2017

PEFServices, West Orange, NJ

- Worked closely with the engineering team to develop the back-end of a web application to compare and output large amounts of investor data from and to Microsoft Excel using PHP, PHP- Excel and JavaScript.
- Responsible for maintaining existing systems and implementing new functionalities using technologies such as Jira, Hibernate and Spring.
- Managed day to day tasks for the IT Department including imaging desktops/laptops, installing, troubleshooting and updating applications, desktops, laptops related to other departments. Maintaining and updating IT inventory for all hardware.

Related Projects

New Jersey Institute of Technology

- Designed and created a web application for searching textbooks using Amazon's restful APIs and data scraped from the web. Written in PHP, used Bootstrap for default layout and AJAX to pull search data from the database.
- Administered the communication layer of a multi-server application. Responsible for all communication from the front end to the back using RabbitMQ implemented in PHP. Communication from the DMZ to the database server and to the end user.
- Initiated and led a team of graduating seniors working on a capstone project. Developed the back end of "Fitted" an apparel company using PHP and MongoDB. Incorporated JavaScript with BootStrap to create a responsive front end to display the returned JSON data.

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