Inna Komarova
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Application Developer   04/2017-09/2019
Northwestern University   Evanston IL

Developed creative solution to meet users and business needs within Application Development & Operational organization.
Worked on design, development of new features and enhancement of existing functionalities for Northwestern Loan Application(NLA), Student Loan Disbursement/Electronic Credit Application Tracking System processes(eCats), Faculty Recruiting System(FRS), Undergraduate Research Program(URP), Graduate Student Tracking System(GSTS).

Main responsibilities included:
- Participate in Student Finance Continuous Improvement process using Agile methodologies: Scrum meetings, JIRA issue tracking. Provide time estimates, level of effort prior to development. Collaborate with DBAs, business analysts, project manager, and architecture team to deliver quality projects frequently.
- Fully involved in all aspects of software development lifecycle: design, coding, code review, test (unit, functional, integration, regression). Deploy developed software to development, test, and production environments. Install required libraries. Support user acceptance testing. Create implementation and back-up plan prior to installing new features and/or fixes to production. Monitor applications/processes running in production, resolve issues.
- Create new, enhance and support existing batch processes that integrate NLA and eCats. Comply with the company standards working with sensitive data.
- Add new features, enhance existing functionality, implemented data caching using Redis Cache Driver to improve performance for FRS application.
- Create web test automation for new features for FRS application using Selenium WebDriver Java APIs.
- Production support: on a weekly basis rotation, including weekends.

Miscellaneous projects and activities in addition to the main responsibilities:
- Installed and configured Jenkins server. Created pipelines to build broker archive files (IBM MQ) automatically, send notification about failed jobs to Slack. This ensured consistency of BAR files deployed to development, test, production environments, and SVN.
- Created OpenAPI specifications for RESTFul web services in SwaggerHub.
- Introduced Selenium web test automation open source software to the team and leadership team within NUIT.
- Migrated SVN repository to GITHub for eCats system.
- Created Java tool for ETL process that replaced Oracle SQL Loader due to specific features of the input files.
- Created Java tool to generate Java classes from JSON files to simplify development process and produce error free code.
- Upgraded RHEL5 server to RHEL7 for eCats.
- Created proof of concept for webhooks and RESTFul APIs for internal and external transactions. This includes transactions between NU applications and third-party vendors, such as DocuSign.