**Job Description**

Job Title:

SOC Classification: [to be completed by attorney]

Employee:

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| **Job Duty** | **Technologies Used** | **% of Time** | **Course(s) Required to Perform this Duty** |
| Analyze user needs and software requirements to determine feasibility of design within time and cost constraints. Analyze project data to determine specifications or requirements. | Software Programming, Java script | 10% | Skills Required:  1) Communication Skills:  Gained communication skills by project presentation to multiple professors during Masters and Bachelor’s degree education.  2) Problem Solving skills:  Providing shared understanding of the problem and determining the scope of project needs a lot of domain knowledge. |
| Confer with systems analysts, engineers, programmers and others to design system and to obtain information on project limitations and capabilities, performance requirements and interfaces. | JAVA Programming, Software Quality Assurance | 5% | Master’s Course Work:  JAVA Programming, Algorithms, Software Quality Assurance, Object Oriented Design: Courses I have completed at Masters level lead me ahead in understanding and developing and implementing different software's/applications. |
| Document technical specifications or requirements using Excel and Visio. Write new tests and update existing tests ensuring broad and deep coverage across the application functionality and code base. | Java Programming, Microsoft Excel, Visual Studio | 5% | Computer Security, Data Mining, Computer Architecture: Provided training in requirement analysis, security measures, software design, data modeling, and data integrity |
| Create, Review and interpret all documentation related to testing, including business requirements, user stories/acceptance criteria and functional and design specifications, in order to provide input to the project team regarding the planning of testing activities. | Java, Jasmine, .Net, C++ | 10% | Master’s Course Work:  Computer Security, Object Oriented Design, Network Security Fundamentals, Advanced Networking, Computer Architecture: Provided knowledge in understanding the integrity of the complex applications and technologies to Monitor and Analyze, networking, development code, Software, and database design to find out the performance bottlenecks and ways of tuning the software and assure the quality. |
| Design, develop and modify software systems for Automation Testing Frameworks, using scientific analysis and mathematical models to predict and measure outcome and consequences of design. | Algorithms, SDLC, Software Programming | 20% | Software Quality Assurance: Provided in depth understanding, Knowledge and implementation measures needed in assuring the quality of the software and applications. |
| Design and Develop Software applications existing automation framework Java, and open source languages including Gherkin (Spec Flow, Cucumber), Selenium, JMeter, Unit, TestNG, Mocha, Jasmine & Karma or other mobile test automation frameworks. | Java script, Selenium, Ruby Cucumber | 30% | Masters Course Work: Professional Seminar, Project Presentations provided skills and courage to present and train team members various new technologies. |
| Modify existing software to correct errors, allow it to adapt to new hardware, or to improve its performance. Troubleshoot and provide failure analysis of issues identified from the automation suite and Work collaboratively with engineering team to identify test cases and suites best suited for automation. | Java, C++, Visual Studio | 10% | Bachelor’s Course Work:  Computer Programming and Data Structures, Linux Programming, Data warehousing and Data Mining and Scripting Languages: Provided an insight of software development and strong foundation knowledge to easily understand and implement development.  Project lifecycle, Introduction to SDLC methodologies, Types of SDLC methodologies and software project management courses in Engineering Economics & Industrial management, Principles of designing, design standards in System Design , Code optimization in Computer Organization, Programming languages, Coding Standards, Data Types, Data Logging in C & Data Structures. |
| Store, retrieve, and manipulate data for analysis of system capabilities and requirements in Relational Database Oracle with PL-SQL. | Database SQL Programming | 5% | Microsoft Office - Microsoft Word, Microsoft Excel and Microsoft PowerPoint were used extensively in her Bachelor program. Designing of user friendly Forms, development of code, writing scripts, Database Connections, Connection Strings, Database Design and Analysis, Data Object creation, Database Technologies Lab and the standards were learnt as a part of Engineering subjects like C and programming languages, Data structuring. |
| Coordinate software system installation and monitor equipment functioning to ensure specifications are met. Work on enhancements and defects that were identified in UAT and Production environments. | Java, C++ | 5% | Quality assurance processes, types of testing, Steps to Test plan, Test cases implementation in Industrial Management, Coding database structures, coding standards in subjects like C & Data structure, Network Analysis and Testing, Java and internet Applications, Computer organization. |

1. Please have your employee complete the above Specialty Occupation matrix.
2. Please provide as much detail as possible regarding job duties. Length is not an issue, more is better.
3. Be specific and list your technologies and tools used.
4. Please further break down each job duty into sub-bullet points.
5. Please describe what makes your job duties unique and/or complex
6. Please match class names directly from their transcript with the appropriate job duty.
7. Please explain how this class is related to the applicable job duty. There only needs to be a partial relationship, a direct correlation is not needed.