Jonathan M. Martinez

Immartinez331@gmail.com | (646) 702-4703 | My Profile Website | LinkedIn | New York

Detailed oriented Engineer with analytical and problem-solving skills seeking Software Engineering opportunity to provide viable solutions by leveraging educational knowledge and technical experience.

SKILLS

Proficient: Java, JavaScript, CSS, HTML, Git, NPM, OOP

Knowledge: C++, Node JS, React JS, PostgreSQL, MongoDB (NoSQL)

IDE: Visual Studio Code, IntelliJ, Eclipse, Sublime

OS: Windows, Linux

Applications: Microsoft Office, MATLAB

Networking: TCP/IP, Security **Languages:** English, Spanish

CERTIFICATIONS

Amazon Web Services - AWS Certified Cloud Practitioner, Verification# 0CZY6HN1H2EQ1F54 **CompTIA Certified Security + CE,** Verification # 2SPQMYXHSDVQQ4WK

Fundamental of Engineering Certificate, NCEES FE

EDUCATION

Bachelor of Engineering in Electrical Engineering (BE), The City College of New York

3.8 **GPA**

EXPERIENCE

2016-Present

Electrical Engineer, MTA Long Island Railroad

New York

- Support the full design cycle and architecture for new railcar system software, from concept to implementation.
- Review software specification proposals to provide recommendations for improvement and verify compliance.
- Act as a liaison between the software development teams and IT for system application and deployment
- Investigate system malfunction and device toolsets to determine root cause of software defect or technical issue.
- Develop and modify Basic codes for programmable logic controller to automate system operation.
- Understanding of Object-Oriented programming (OOP) and analysis.

2016-2018

Jr. Engineer, MTA Long Island Railroad

New York

- Developed processes to perform and document benchmark testing.
- Researched new technology to retrofit or incorporate modern systems in place of legacy railcar equipment.
- Created technical documents such as test procedures, maintenance instructions and operating procedures.
- Familiar with Bash and PowerShell scripts to maintain and automate tasks for microprocessor-based systems.
- Coordinated activities to direct, supervise and plan tasks with craft, consultants, vendors and stakeholders.

2015 - 2016

Engineering Quality Assurance, Con Edison

New York

- Maintained a database to keep track of company compliance with State and Federal regulations.
- Prepared datasheet to analyze audit findings and calculate monetary penalties for prioritization purposes.
- Configured a database to maintain and organize all QA documentation in support of control management.

PROJECTS

Java-Database

- Integrated Java with SQL CLI commands to queries and update a music data content in SQLite database.
- Implemented Java Prepare Statement as preventive security to mitigate SQL injection attacks.
- Knowledge of software engineering fundamentals such as data structures, algorithms and design pattern.
- GitHub link: https://github.com/jmartin-code/Java-Database

Task Tracker

- Created a Task Keeper web application based on React JS, Material-UI, CSS style and HTML.
- This application features a modern looking UI with the functionality to add tasks and delete tasks by subject.
- The web app can be integrated with NoSQL database such as MongoDB and NodeJS for back-end process.
- GitHub link: https://github.com/jmartin-code/Task-Keeper