Jonathan M. Martinez

Jmmartinez331@gmail.com | (646) 702-4703 | My Profile Website | LinkedIn | GitHub | New York

Detailed oriented Engineer with analytical skills and passion to learn new technologies seeking opportunity to provide viable solutions by leveraging educational knowledge and technical experience.

SKILLS

Knowledge: JavaScript, Node.js, React.js, CSS, HTML, Git, AWS
Familiar: Java, Python, SQL / NoSQL database, Containers, NPM,
IDE: Visual Studio Code, IntelliJ, Eclipse, Jupyter
Operating Systems: Windows, Linux

Applications: Microsoft Office, MATLAB
Network: 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**
Associate of Science in Engineering Science (AS), Bronx Community College		**3.9 GPA**

EXPERIENCE

2016 - Present	Electrical/Systems Engineer MTA Long Island Railroad	New York

- Support the life cycle architecture for new railcar system software and hardware, from concept to deployment.
- Develop and modify codes and scripts to maintain and automate tasks for microprocessor-based systems.
- Review software specification proposals to provide recommendations for code improvement and compliance.
- Collaborate with other engineers and consultants for shared objectives, continuous integration, and deployment.
- Troubleshoot system malfunction and device toolsets to determine root cause of defect or technical issue.
- Write technical documents such as functional test, installation, and operating procedures.
- Research new technology and create proposals to incorporate modern systems in place of legacy equipment.
- Knowledge of Object-Oriented programming (OOP), relational and non-relational databases.

2015 - 2016	Engineering - Quality Assurance, Con Edison	New York

- Maintained databases to track company work subject to compliance with NY State and Federal regulations.
- Prepared datasheets to analyze audit findings and calculated their monetary penalties for prioritization.
- Configured databases to organize QA documentations in support of control management and standards.

PROJECTS

Moments-Portfolio Application
- Developed a web application using Node.js server for API process and React.js client as frontend.
- The app functions as an album to archives images and notes from those precious moments in life.
- Employed MongoDB non-relational database to save and retrieve data. Deployed using Heroku and Netlify.
- Link: https://moments-portfolio.netlify.app/

Project Management Tool
- Developed a full stack application using Java for the back-end process, and React.js on the front-end.
- Utilized MySQL relational database and Security signing credentials to isolate projects for respective users.
- Knowledge to create and consume RESTful application programming interface (API).
- Link: https://mgm-tool.herokuapp.com/

Java-Database
- Integrated Java and SQLite relational database using JBDC to query music data content.
- Implemented Java Prepare Statement as a form of preventive security for SQL injection attacks.
- Knowledge of software engineering fundamentals for data structures, algorithms, and design pattern.
- GitHub link: https://github.com/jmartin-code/Java-Database