

John Konyan

Portfolio: [JK Portfolio.github.io](https://github.com/jknyan) LinkedIn: [linkedin.com/in/jkonyan](https://www.linkedin.com/in/jkonyan) GitHub: github.com/Jkonyan25 Email: Jkonyanswengineer@gmail.com

Employment

Senior SW QA Engineer

Boston Scientific, Valencia, CA | April 2026 – Present

- **Leading efforts** for DQA for newly acquired Basivertebral Nerve (BVN) Ablation device of Boston Scientific.
- **Performed test validation protocols** for production releases of FW for Basivertebral Nerve (BVN) Ablation device.
- **Accurately assessed NCEP/CAPA hazards** and performed a full traceability matrix adhering to ISO 13485 and FDA audits.
- Performed project risk analysis of current Boston Scientific GX1 for Chinese market release.
- Coordinated with offshore Chinese team to align design, system, SW, and FW requirements with Chinese governance.

Sr. Software Test Engineer

Medtronic, Northridge, CA | Jan 2022 – April 2026

- **Directed the full project lifecycle** for software validation and verification (V&V), overseeing test planning, design, and execution while ensuring strict adherence to FDA 21 CFR Part 820 and GMP standards.
- **Acted as Primary Process Owner** for IEC 62304 software lifecycle processes, enforcing regulatory compliance across ISO 13485 (QMS) and ISO 14971 (Risk Management) frameworks.
- **Managed Risk Mitigation** for complex medical device firmware by identifying logic errors during White Box testing, directly improving embedded system reliability and project stability.
- Designed and executed comprehensive **manual and automated test cases** to validate the performance and accuracy of embedded insulin pump systems, ensuring system reliability across varied hardware configurations.
- Collaborated with **data engineering and hardware teams** to understand system specifications, contributing to the refinement of **data validation logic** and **requirements traceability**.
- Developed reusable test scripts and libraries, improving team productivity by reducing time-to-test for regression suites.
- Created and validated **Windchill 11 & 12 tickets** to manage test cycles, log defects, system/user requirements and reports.
- Participated in code and documentation reviews using Windchill 11 & 12, providing input from a **data validation** and **user experience** perspective to ensure compliance with regulatory and usability standards.
- Operated under strict FDA guidelines to create and validate insulin pumps as per system requirements and specifications.
- **Promoted twice** throughout tenure.

Software Engineer I

Beaches and Harbors, Marina Del Rey, CA | Jan 2020 – Jan 2021

- Integrated SQL databases which were used to keep track of registration for boats at pier.
- Helped drive push to cloud data storage for better optimization of data.
- Helped maintain Department of Beaches and Harbors boat registration at Marina Del Rey pier.

Projects

GitHub Portfolio

- Using GitHub pages to deploy a basic portfolio website that contains necessary applicant information.
- Languages used: SCSS, CSS, JavaScript, and HTML.

Personal Business Website (HookahByHov.com)

- Created a business website using Claude Code for a hookah catering company
- Allows users to create a package and inquiry with the business owner

Education

California State University, Northridge

B.S, Computer Science

Northridge, California

August 2022

- Cumulative GPA: 3.38, **Full time** Dean's Honor List
- Coursework: Databases; Algorithms; Programming Languages; Software Engineering; Web Engineering; Database Design; Computer Architecture; Machine Learning; Operating Systems; Calculus II; Linear Algebra;

Master of Science, Engineering Management Data Analytics

In-Progress

- Coursework: Introduction to Data Analytics for Engineering Managers; Knowledge Discovery from Databases and Data Visualization for Engineering Managers; Decision Tools for Engineering Managers; Entrepreneurship and Innovation for Engineering Professionals; Engineering Economy and Financial Analysis;