

Shria Patel

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Experience

SOFTWARE ENGINEER | BOSTON SCIENTIFIC | ARDEN HILLS, MN | AUG 2024 – PRESENT

Software Engineer II (Aug 2026 – Present)

- Build and maintain the Android tablet app (Java, Kotlin, C++) that physicians use to program urology devices, integrating with device firmware to keep firmware and tablet compatible.
- Contribute to integrating Axonics' codebase into Boston Scientific's engineering and compliance standards following the \$3.7 billion acquisition, working directly with the acquired team's engineers and implementing new features and cybersecurity principles to meet Boston Scientific's quality standards and safeguard sensitive health data.
- Write unit and integration tests for all development work, review teammates' code, contribute to design decisions and sprint estimation, and partner with DVT on verification, traceability, and defect triage; keep architecture documentation current.
- Committee member for South Asians in Leadership (SAIL), Young Professionals Network (YPN), and the Minnesota STEM Council; Meals on Wheels volunteer.

Software Engineer I (Aug 2024 – Aug 2026)

- Contributed to iOS design verification testing (DVT) for a Cardiac Rhythm Management app supporting 22 languages ahead of its worldwide launch; monitored 500+ regression tests toward a 100% pass rate.
- Triageed and root caused regression failures and delivered fixes quickly.
- Authored requirement-traced automated tests in Swift.
- Ran on device testing on physical iPhones to validate real-world customer workflows.

SOFTWARE ENGINEER INTERN | BOSTON SCIENTIFIC | ARDEN HILLS, MN | JUN 2023 – AUG 2023

- Built a unified test results dashboard for the LATITUDE mobile app team, giving one view of manual and automated test health.
- Wrote Python tooling against the Jira API to pull manual test results and convert them to JUnit XML for ingestion by Report Portal.
- Deployed it as a scheduled GitLab CI pipeline so new results upload automatically, reusable across other mobile projects.
- Presented the solution to 20+ R&D staff.

WISE INTERN | MEDTRONIC | MOUNDS VIEW, MN | MAY 2022 – AUG 2022

- Designed and built a six page Power BI calibration dashboard for the Metrology and Calibration department, replacing manual tracking with real time target numbers and weekly progress.
- Connected Power BI to the IndySoft calibration database through Oracle and wrote 14 SQL queries to pull every metric the board required.
- Automated a daily email report with Power Automate so staff could update the calibration board each morning without manual data pulls.
- Presented findings to 80+ Medtronic staff.

Skills

AI & Agentic Tools: Claude Code, Windsurf, AI-assisted development

Languages: Swift, Kotlin, Java, C++, Python, SQL, Bash

Testing & QE: JUnit, Report Portal, Design Verification Testing, regression automation

DevOps & Tools: Git, GitLab CI, Jira

Education

UNIVERSITY OF MINNESOTA – TWIN CITIES | SEP 2021 – MAY 2024

- B.S. in Computer Science (Software Engineering & Data Systems focus); Dean's List Fall 2023, Spring 2024

Leadership & Volunteering

- WCLA D1 Women's Lacrosse Travel Director (2022–23); Society of Women Engineers; Welcome Week Leader
- Lacrosse coach – Mounds View HS JV (2024–present), Varsity (2022), Homegrown (2021–23); Youth Basketball Coach