

Samar Siddiqui

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PROFESSIONAL SUMMARY

Software engineer with experience spanning full-stack development, test automation, and hardware systems engineering. Currently leading server build and validation operations at SMS InfoComm on NVIDIA GB200/GB300 platforms, with prior automation testing experience at HCLTech in Java and TypeScript. Recent project work includes an LLM-assisted EMR note generation service and a cross-platform BMC diagnostic tool for GB200 NVL72 GPU servers.

PROFESSIONAL EXPERIENCE

Server Technician — Senior Team Lead

SMS InfoComm Corporation | July 2025 – Present

- Led setup, configuration, and validation of Dell 9712a servers; standardized team workflows to improve throughput and reduce rework.
- Owned DOA triage and hardware fault resolution and enforced QA checkpoints, reducing defect escape rates and ensuring units met Dell deployment specs.
- Trained junior technicians on Linux diagnostics, hardware inspection, and QA standards, reducing escalations.
- Led GB200-to-GB300 board teardown and reconfiguration projects, coordinating cross-functional work to hit milestones with minimal disruption.

Software Automation/Manual Tester

HCLTech | July 2022 – March 2025

- Partnered with dev teams on manual and automated testing of client software products.
- Built and maintained Java and TypeScript automation scripts for regression testing.
- Wrote and executed test cases covering functionality, performance, and security; debugged issues to root cause and delivered fixes.

SOFTWARE ENGINEERING PROJECTS

Intelligent EMR Note Generation Service (Senior Capstone Project)

Built a microservices EMR Note Generation Service (TypeScript/Express.js) exposing secure REST APIs, with Gemini-powered AI notes via dynamic clinical prompts (patient context, tone control).

- Built a React frontend for generating, reviewing, and validating notes with real-time preview and regeneration; documented via OpenAPI/Swagger and a prompt engineering guide.
- Implemented backend automation and daily scheduling for batch note generation across eligible patients, with error handling, structured logging, and validation pipelines for clinical accuracy.

FusionProbe — GB200 NVL72 BMC Diagnostic Collector, Developed for SMS InfoComm

Built a full-stack BMC diagnostic tool for NVIDIA GB200 NVL72 GPU servers — a 9-module PowerShell collector (Firmware, Inventory, GPU/NVLink/XID, Sensors, Logs, Leak Detection, IPMI) walking 600+ HGX Redfish endpoints into a self-contained health report bundle; deployable as Windows GUI, macOS CLI, or Electron app.

- Built an offline single-page HTML viewer (CSS Grid, vanilla JS) with health dashboard, filterable sensor table, GPU accordions, and log timeline; shipped as a cross-platform Electron app (bundled PowerShell 7, .dmg/.exe installers).
- Built a mock BMC server (600+ HttpListener routes) reverse-engineered from reference GB200 data — including HGX Redfish endpoints absent from the public DMTF spec — enabling hardware-free dev and E2E testing with 7 integration suites (339+ assertions).

GridIron CRM — Full-Stack Real Estate Deal Execution Platform

Built a full-stack internal CRM (Node.js/Express, SQLite/Turso, tabbed SPA) tracking real estate deals across a 7-stage forward-only pipeline (Sourced → Exit/Stabilized) with automatic time-in-status tracking and a stage-seeded checklist template gating advancement via a validation endpoint.

- Implemented document management (multipart upload, per-property download links) alongside investor assignment and budget tracking with ownership percentages, budget-vs-spent line items, and progress bars in the property detail UI.
- Built a stalled-deal alert engine via DB function (check_stalled_deals) that flags properties inactive 14+ days with severity-coded alerts, dashboard banners, and per-property resolve history.

EDUCATION

Bachelor of Science in Software Engineering

The University of Texas at Dallas

CERTIFICATIONS & ACCOMPLISHMENTS

- *TestOut PC Pro Certification* | Achieved competency in managing and troubleshooting PC hardware and software.
- *HCLTech Java Full Stack Developer* | Achieved comprehensive skills in full-stack development, focusing on both front-end and back-end technologies.

TECHNICAL SKILLS

- **Programming Languages:** C, C++, C#, Java, Python, SQL, HTML, HTML5, CSS, JavaScript, React, Typescript
- **Database Technologies:** MySQL, JDBC, Turso, Supabase
- **Operating Systems:** Linux/Unix, macOS, Windows (7–11)
- **Testing Tools:** JUnit, TestNG, Selenium, Jira, Mockito, Cucumber
- **Version Control:** Git, GitHub Desktop
- **Frameworks/Tools:** Spring Boot, Apache Kafka, CI/CD Pipelines, Docker, Flask, Maven, NumPy, REST APIs