

Mayank M. Patel

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WORK EXPERIENCE

SQA Analyst at SAMSUNG ELECTRONICS AMERICA, Seattle, WA, USA)

Sept 2018 – Present

- 4+ Years' Experience in the Device, Functional, Certification and 2G, 3G, 4G, 5G network testing.
- Perform quality assurance duties on Samsung phones, tablets and watches to ensure quality, performance, and accuracy.
- Work with IMS/IPME, Protocol, AVDFT (ATT 10776) and Samsung Research and development team to fix the device issues.
- Perform testing of technologies like 5G NR mmWave and sub6 (SA and NSA bands such as n5, n2, n66, n77, n71, n41, n260, n261) AT&T Firstnet (Band 14), Carrier Aggregation Test (2CA/3CA/4CA/5CA), Throughput test, 4x4 MIMO, 256 QAM, LAA (Licensed Assisted Access), and Number Sync.
- Execute Regression, Stress, Sanity and Reproduction Test for various technology areas like: IR94, IR92, E911 (using Public safety answering point (PSAP) sim card), VoLTE, IMS VoLTE Roaming, IPME, RTT, FOTA, RCS, IOT, Mobile Hotspot, small cell, NFC, SRVCC, Bluetooth, signal bar, Data Roaming, ePDG Handover, handover (Inter and Intra Frequency, Inter RAT) reselection, Visual Voicemail, Tethering and Wi-Fi sharing, etc.
- Design and execute ADB (Android Debug Bridge) shell scripts to automate test cases for regression testing.
- Perform various throughput test using Mobile applications like Datum (Spirent), Thor, Iperf, Ookla on different Dish, AT&T and T-Mobile carriers and analyzes data throughput from application and physical layer to ensure the highest data speed.
- Identify, research, and report issues found during testing and confirm fixes by retesting failed test cases
- Completed field tests based on customer requirements for high end clients such as T-Mobile, AT&T, Dish and Verizon.
- Balance multiple projects throughout the life of Samsung devices to meet assigned deadlines with high end clients.
- Identify, research, and report issues found during testing and confirm fixes by retesting failed test cases.
- Testing under various stationary and mobility scenarios involving collecting the logs and running post analysis scripts.
- Work with QXDM, QPST, and various APKs.
- General understanding for telecommunication knowledge and Android platform device.
- Solid understanding of Software testing techniques and methodologies.
- Leading AVDFT team - keeping team members on task, and on schedule.
- Motivating and inspiring everyone in team to do their best work

Classroom Learning Assistant (JAVA & DATABASE) at Sacred Heart University Fairfield, CT, USA Jan 2018 – Mar 2018

- Provided support to an individual student who was facing problems related to the topic in **Java** and **Database** class.
- Problem solver of students

Internship in I-Link Info Soft Consultants Pvt. Ltd. Ahmedabad, Gujarat, India

Jan 2014 – May 2014

- Trained on Professional Skill Development, C#, Asp.Net, HTML, CSS, JQuery, SQL Server, SSIS, SSRS, SVN, Testing.
- Interned with the web development team and testing team.
- Tested java software named TRX which was developed for USA Tax department.
- Developed web application named Beurer Management Information System to analyze and take decisions for management based on reports like Order, Inventory management report, and Quality Management report.

TECHNICAL SKILLS

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| Programming Languages: | React.js, Redux, AngularJS, JavaScript (ES6), isomorphic JavaScript, Node.js, Express, JSON, JQuery, HTML5, CSS, SASS, Bootstrap, AJAX, C#, Java, Python, Asp.Net |
| Operating Systems: | Windows, Linux |
| Database Systems: | SQL Server, MySQL, Oracle, MongoDB |
| Tools: | Eclipse IDE, NetBeans IDE, MS Office, Microsoft Visual Studio, IntelliJ IDEA |
| Business Intelligence Tools: | SQL Server Integration Services (SSIS), SQL Server Reporting Services (SSRS) |
| Version Control Tools: | Git, GitHub |
| Testing Tools: | Postman, QXDM, QPST, ADB Script |

PROJECTS

- **ProntoPlate** (React JS, Redux, Spring Boot, Java, Bootstrap, Broadleaf) **Apr 2018**
Developed web application for restaurants; Customers can order, pay online and get food delivered at home.
Published Article: <http://www.sacredheart.edu/aboutshu/news/newstories/2018/march/graduate-students-develop-new-food-ordering-web-app.html>
- **Beurer Management Information System** (.NET 4.0 Web Application, ASP.Net 4.0, C#, SQL Server 2012, SSIS, SSRS, JQuery, JSON) **May 2014**
Implemented intranet web application to manage beurer warehouse; It shows historical data and different reports to analyse and take decisions for management; displays different reports like Order, Inventory management report, Quality Management report, Order entry report and other reports based on requirements.

- **Online Shopping Sweets** (.NET 4.0 Web Application, ASP.Net 4.0, C#, JQuery, Ajax Toolkit, SQL Server 2012, Crystal Report.) **Dec 2013**
Implemented functionalities for a customer to buy sweets from the site, rate products, give feedback; admin can maintain products and create accurate reports that are used to deliver product to the customer's home.
- **Material Management System** (VB.NET Desktop Application, SQL Server 2005, Crystal Report) **Apr 2012**
Developed a database management system for recording materials entries at construction Site; Created reports those are used to calculate used materials and thereby total material expenses.

EDUCATION

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| ✚ Sacred Heart University, Fairfield, Connecticut, U.S.A | GPA – 4.0/4.0 |
| Master of Science in Computer Science and Information Technology | May 2018 |
| Courses: Into Object-Orient Programming Java, Advance Database Design, Intro to Programming using Scripting, Web Designing with JavaScript, Advance Software Engineering, C# Programming | |
| ✚ Ganpat University, Ahmedabad, Gujarat, India | GPA – 3.03/4.0 |
| Master of Science in Information Technology | Jan 2015 |
| ✚ Gujarat University, Ahmedabad, Gujarat, India | GPA – 3.06/4.0 |
| Bachelor of Computer Applications | Mar 2013 |

ACTIVITIES AND CERTIFICATION

- **Gold medallist** in Master of Science in Computer Science and Information (May 2018) for standing **1st** in university.
- Received certificates in **Web Development**, **.NET Technology** and **Coding** during my graduate study in Sacred Heart University (May 2018).
- Certification by I-Link Info Soft Consultants Pvt. Ltd. during internship (1st Jan 2014 to 15th May 2014).
- Oracle Database 10g: Administration Workshop-1 Release-2 June 2013
- Microsoft India App Fest 2013 – 26th February 2013