

# Miraz Zaidi



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## SUMMARY

- Software developer with over 7 years of hands-on product development experience.
- Expertise in programming languages: C, C++, Modern C++ (11/14/17), VC++, Java and Python (2/3).
- Well versed in Object Oriented Programming, Multi-Threading and Design Patterns.
- Thorough understanding of Data Structures and Algorithms with excellent problem-solving skills.
- Experience of Windows application development using VC++, Win32 API, MFC, ATL/COM etc.
- Development experience on Linux, Windows, Mac OS X.
- Experienced with embedded systems, Internet of Things (IoT), device and network management.
- Adept with Agile processes, TDD, CI/CD and Atlassian stack (Jira, Confluence, Bitbucket).
- Hands-on software troubleshooting/debugging experience using Visual Studio, GDB with expertise in working with large code bases.
- Strong team player with collaborative mindset and passionate about delivering high quality software.
- Excellent in communication with fluent English language skills.

## KEY SKILLS

- Principle Skills: C, C++, Modern C++, Python, OOPS, OOAD, Design patterns.
- Other Languages: Java, JavaScript, C#.
- Unit Testing: TDD using CppUTest, Google Tests, Google Mocking, PyUnit, PyTest, Catch2.
- Libraries: STL, Boost, Multi-threading, Win32, MFC, ATL/COM, IPC.
- Scripting Languages: Linux shell scripting, NSIS installer, WiX.
- Operating Systems: Windows (XP, 7, 8, 10), Linux (Ubuntu), MacOS X.
- IDE and Debugger: VS Code, Microsoft Visual Studio (2008-2017), Eclipse, NetBeans.
- Database: SQLite3, MS Access, SQL Server, MySQL, Cassandra.
- Software Processes: Agile (Scrum/Sprint, SAFe, Kanban), Waterfall.
- CI/CD Tools: Team city, Jenkins, GitLab.
- Other Tools: JIRA, Confluence, Bitbucket, Dockers, VirtualBox, BullsEye, Valgrind, CMake.
- SCM Tools: GIT, SVN, WinCVS, Perforce, Microsoft TFS.
- Other Skills: Design documentation (PlantUML), UTP, Release notes.

## CAREER HISTORY

Have over **7 years** of rich professional experience as a Software developer.

### Software developer

**Tobii AB** (Stockholm, Sweden)

**Sep 2019-Present**

Eye tracking middleware:

- Working as a part of Tobii Tech's middleware team responsible for providing the APIs and libraries to other internal and external customers.
- Mainly contributing to [Tobii Stream Engine SDK](#) and [Interaction Library](#) by implementing new streams, algorithms, properties and notification and bug fixing.
- Moved the project to new CI environment (TC to Jenkins).
- Working on modernizing the codebase to C++ 14 and code cleanup.
- Improved unit testing coverage for the project using Catch2.

### Associate lead, Technology

**Nagarro Software** (Gurgaon, India)

**Apr 2016-Sep 2019**

Lighting control system. (Jan 2019 – Sep 2019)

- Product: A wireless lighting control system for commercial buildings.
- Worked as a C++ developer in the core development team (R&D) on an embedded system which interacts with various lighting hardware.
- Added functionality for load-shedding support, occupancy tracking etc.
- Improved existing integration test framework written in Python.

Door Opening Solutions. (Apr 2016- Dec 2018)

- Client: Global leader in door-opening solutions headquartered in Stockholm, Sweden.
- Project involves simplifying the hospitality experience for the end users by providing them easy and secured guest access management using desktop-based application interface.
- Worked with software components that interacted with hardware like electronic locks, gateways, encoders etc.
- Improved the user account management of the application by integrating with Active Directory using LDAP.
- Refactored legacy code from C++98 (Visual Studio 6.0) to Modern C++ (11/14) (Visual Studio 2015).
- Coded back-end based on REST APIs to support mobile service tools and mobile key cards.
- Developed multiple utilities to make life of the service technicians easier.
- Increased customer satisfaction measured by quarterly feedback by working on top-priority bug fixes and providing test objects when needed.
- Worked onsite in Landskrona, Sweden for 1.3 years (2017-2018).

#### Software Engineer

**Altran** (Gurgaon, India)

Jan 2015 -Mar 2016

IMS based VoLTE/RCS client.

- The telecom application client based on a robust IMS Client and media engine. The solution was used both as a native application (android middleware) or over the top application.
- Implemented End-User confirmation request (EUCR) feature.
- Worked on handover (VoLTE-VoWiFi) when a client changes network from data to WiFi during a live call.
- Gained knowledge in telecom domain (SIP, TCP/IP, VoIP).

#### Software Engineer

**Think Future Technologies** (Gurgaon, India)

Jan 2013 -Jan 2015

Installation Framework.

- Product was a lightweight installation framework that had C++ core and used HTML5 forms to wrap installers. The framework's full installation depended upon an XML file which was received in real time from the server.
- Integrated IE based browser control engine in the windows dialog.
- Worked on Browser control, SQLite API, JSON CPP API, WinHttp API, Registry API, NSIS scripting etc.

#### EDUCATIONAL QUALIFICATIONS

- B. Tech degree in Information Technology from MDU, Rohtak (INDIA) in 2012 (First division).
- Senior Secondary (10+2) from CBSE Board, in 2007, scored 77.2%.
- Secondary from CBSE Board, in 2005, scored 68.6%.

#### CERTIFICATIONS

- MCSD: Microsoft Certified Solution Developer (Nov'2013)
- MCP: Microsoft Certified Professional (Oct'2013)

#### WEB PRESENCE

- [Github](#) • [Portfolio](#) • [LinkedIn](#) • [StackOverflow](#)

(Miraz Zaidi)