

Aditya Randesh Abeysinghe

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PROFILE SUMMARY

Software engineer with over four years' experience in managing local and international customers across telco, fintech, healthtech and application security domains. Has experience in software development, external services integration, mentoring and training technical teams, and liaising with clients. Also, has over two years of lecturing experience.

SKILLS

Technologies: C#, .NET Framework, .NET Core 3, .NET 5, .NET 6, .NET 7, REST, JSON, T-SQL, TeamCity, Octopus Deploy, Git, GitHub, GitLab CI/CD, xUnit, NUnit, HTML 5, CSS 3, JavaScript, AJAX, Bootstrap 4, JIRA, Confluence, RDLC, LINQ, React (JSX), YAML, XML, SonarQube, Python 3+, Java SE, XSD

Tools: Visual Studio (2017, 2019, 2022), Visual Studio Code, AWS, Postman, IIS

Database management systems: Microsoft SQL Server

EDUCATION

Master of Science Computer Science (Business Computing) Jun 2019 – Jul 2021

Institution: Staffordshire University, United Kingdom

Bachelor of Computer Science: Software Engineering and Computer Science (Double major) Mar 2014 – Feb 2017

Institution: Edith Cowan University, Australia

Diploma in Computer Studies Sep 2011 – Nov 2011

Institution: Gateway School of Computer Science (Gateway CFICT)

PROFESSIONAL EXPERIENCE

Virtusa Pvt. Ltd., Sri Lanka

Apr 2022 – To date

Engineer

Sep 2023 – To date

Engineer – Technology

Apr 2022 – Sep 2023

Project Responsibilities:

- Modified, developed and integrated REST APIs with existing code
- Debugged and tested customer XML and REST APIs using API calls and by executing CI/CD pipeline automated tests
- Fixed errors related to customer API tech stacks by involving with the customer's onshore support team
- Analyzed and resolved software defects and technical issues by communicating with the onshore L1 support team and the offshore L3 support team
- Created Wiki pages using Confluence to document changes related to integrating customer APIs with customer plugins
- Assisted with the maintenance of technical documentation
- Managed executable files created from code builds in AWS S3 buckets to be used for test automation
- Maintained version control of code by maintaining local Git repositories and committed to GitHub and GitLab repositories
- Conducted code reviews of merge requests in GitLab repositories and ensured that coding best practices and quality was assured
- Integrated and fixed errors during continuous integration to GitLab CI/CD pipelines and TeamCity builds
- Deployed committed code builds to staging environments by Octopus Deploy
- Developed, changed layouts, and fixed issues in UIs of customer software based on JSX (React), WPF and Windows Forms
- Analyzed and troubleshoot issues in UIs of customer software
- Wrote, tested and analyzed issues in NUnit unit tests to ensure changes and existing code behaves as predetermined
- Created PowerShell scripts to run SonarQube scans in GitLab CI/CD pipelines and tested these scripts in the testing AWS EC2 build machine
- Added changes to run SonarQube scans to CI/CD YAML scripts and monitored issues of code quality tests in both testing and production servers
- Created and altered database objects such as tables, views and stored procedures in SQL Server, and executed SQL queries to troubleshoot errors in client platforms
- Enhanced code quality and security of software products by interacting with the client's application security team
- Provided support to QA team
- Trained external teams by scheduling knowledge sharing sessions

Additional responsibilities:

- Mentored and coached team members
- Contributed as a trainer to training sessions for Interns
- **Technologies used:** .NET Framework 4.5 - 4.8 (Console, Class Library, Visual Studio Extensions, WPF and Windows Forms), .NET 5, .NET 6, .NET 7, T-SQL, TeamCity, Octopus Deploy, Git, GitLab CI/CD, GitHub, LINQ, REST, JSON, React (JSX), XML, PowerShell, YAML, XSD, CSS 3, JavaScript
- **Code quality tool:** SonarQube
- **Documentation:** Confluence
- **Unit testing framework used:** NUnit
- **Cloud storage service:** AWS S3
- **Cloud hosting and testing environment:** AWS EC2, Azure VM
- **Issue management:** JIRA
- **Database management system:** Microsoft SQL Server
- **Methodology:** Scrum

D.M.S. Electronics (Pvt) Limited, Sri Lanka

Nov 2019 – Apr 2022

Associate Software Engineer

Project Responsibilities:

- Created and installed a .NET Framework windows service application to copy data in almost real-time with .NET parallel processing (asynchronous data processing) from SQL Server databases to customer's REST APIs
- Created a console application to test the data pushing process to customer's REST APIs
- Tested customer's REST APIs using Postman
- Participated with the client to troubleshoot API endpoint errors
- Created and modified database objects such as tables, stored procedures and functions, and executed SQL queries to troubleshoot errors in client platforms
- Improved SQL queries to reduce latency during query execution using execution plans
- Performed administrative features such as taking database backups for company's projects
- Created a console application to bulk copy data between SQL Server databases of different servers
- Scheduled windows tasks for .exe execution
- Managed local, staging and production server environments for company's projects
- Updated UI and UX of the company's systems using ASP.NET Web Forms application, jQuery and AJAX

- Maintained version control in local and remote repositories
- Created layouts for reporting applications, RDLC reports and fixed issues in web forms of report applications on user request
- Debugged and integrated reports with SQL Server databases
- Created class library projects where unit tests were created and unit tested reports using xUnit
- Hosted applications in IIS server
- Performed administrative tasks such as changing feature delegation and authentication settings in IIS
- Created and integrated ASMX web services for company's projects
- Maintained issue logs and work to be performed in JIRA

Additional responsibilities:

- Mentored and coached Intern developers
- **Technologies used:** T-SQL, .NET Framework (ASP.NET Web Forms, Console, Class Library, Windows Services, Web User Controls, Web Services (ASMX)), HTML 5, JavaScript, CSS 3, Bootstrap 4, jQuery, AJAX, JSON, REST, XML, Git, GitLab
- **Reporting:** RDLC
- **Unit testing framework used:** xUnit
- **API testing:** Postman
- **Database management system:** Microsoft SQL Server
- **Web server:** IIS on Windows server
- **Issue management:** JIRA
- **Methodologies:** Scrum, Kanban

University of Kelaniya, Sri Lanka

Aug 2017 – Feb 2019

IT Demonstrator and Visiting Lecturer

Responsibilities:

- Designed course materials for the Java programming course
- Conducted lectures for university students on the Java programming course
- Conducted visiting lectures for students who enrolled for external courses
- Compiled exam papers for the Java programming course
- Conducted examinations as an invigilator and examined that all examination rules and regulations were maintained
- Paper marking

Additional responsibilities:

- Designed the website for the Centre for Heritage Studies (<http://units.kln.ac.lk/casn>)
 - **Technologies used:** Joomla!, JavaScript, CSS 3, PHP 7
 - **Database management system:** MySQL
 - **Frameworks used:** Bootstrap, Helix 3 with SP Page Builder
- Conducted guest lectures for the Faculty of Commerce and Management Studies

OPEN SOURCE CONTRIBUTIONS

- **PostOShare** (<https://github.com/aditya1962/PostOShare>)
Technologies used: React, JavaScript, HTML 5, CSS 3, Bootstrap 4, JSON, React Router
Database management system: Firebase database
- **BuyGrand** (<https://github.com/aditya1962/BuyGrand>)
Technologies used: C#, .NET framework, HTML 5, CSS 3, Java SE, Python 3, T-SQL, OpenCV, RDLC, ASMX, JavaScript, jQuery, Bootstrap 4, AJAX
Database management system: Microsoft SQL Server

REFEREES

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