

**PIYUSH TYAGI**

(MBA- Finance, Bachelor of Engineering- Computer Science)

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Nationality: **Australian**

Availability: **2 Weeks**

- **17+ years** of experience in software development using industry best practices.
- Good experience in developing commercial UI component using front-end technologies like **WPF, Winforms and Angular/Angular JS**.
- Excellent knowledge in design and development of **microservices** using frameworks like **.Net Core, Web API, WCF, Azure Function Apps, Azure DevOps, Entity Framework Core, Domain Driven Design (DDD)** and **Command Query Repository (CQRS)** patterns.
- Experienced in working with **MySQL, MS SQL Server, T-SQL, Stored Procedures, Views and performance tuning**.
- 5 years of commercial experience with **Angular JS, jQuery, CSS, HTML** and **real-time bi-channel communication framework like SignalR**
- Excellent experience in writing **code with test-first approach, Test Driven Development (TDD)** with 100% code coverage.
- Proven **experience in undertaking large technology migration/upscale projects for investment banks, hedge funds and insurance sector**.
- Experienced in **technical leadership, team mentoring and coaching** on **high-paced AGILE SCRUM projects**.
- **Initiative-taking analytical thinker with attention to detail, commitment to delivery schedule** and a **"team first" attitude**.
- Good knowledge of **derivative market and financial modelling**.

SKILLSET	
<b>Frameworks</b>	.Net Framework 1.1-4.5, .Net Core 2.4, Entity Framework Core (EF Core)
<b>Languages</b>	C#, VB.Net, WPF, ASP, ASP.Net, XML, HTML 5, Angular Js, Angular, Javascript, Typescript, CSS, jQuery, Bootstrap, Webservices, Web API, Rest API, WCF, Azure DevOps, AutoMapper, Microservices, AWS, Azure Function Apps.
<b>Patterns</b>	SOLID, MVC, MVVM, Domain Driven Design (DDD), Command Query Repository Pattern (CQRS)
<b>Source and Version Control</b>	Azure DevOps, Git, Perforce, Rational Clearcase, Teamcity, Jira, Confluence, TFS.
<b>Domains</b>	Energy Generation/Distribution, R&D, Insurance and Banking and Financial Services,

#### PROFESSIONAL EXPERIENCE – SNAPSHOT\*

\* Please refer Appendix below for project details.

DATE	FIRM	LOCATION	ROLE
September 2020 to Present	TAL ( <a href="http://www.tal.com.au">www.tal.com.au</a> )	Sydney, NSW, Australia	Senior Software Engineer
July 2019 to August 2020	CBHS Health Fund ( <a href="http://www.cbhs.com.au">www.cbhs.com.au</a> )	Sydney, NSW, Australia	Analyst Developer
2014 to May 2019	CashnGo ( <a href="http://www.cashngo.com.au">www.cashngo.com.au</a> )	Sydney, NSW, Australia	Senior Developer > Lead Developer
June 2014 to Aug 2014	TZ ( <a href="http://www.tz.net">www.tz.net</a> )	Sydney, NSW, Australia	Senior Software Engineer
2011 to 2014	Barclays Capital ( <a href="http://www.barcap.com">www.barcap.com</a> )	Singapore	Senior Application Consultant
2009 to 2011	Sapient Corporation, Client – Citadel LLC	Chicago, USA	Senior Associate
2003 to 2009	MindTree Consulting, Client – FLIR Systems	Stockholm, Sweden	Module Lead

**EDUCATION: Master of Business Administration with Finance Major (University of Technology Sydney, Australia) and Bachelor of Engineering Computer Science (University of Pune, India)**

**TAL INSURANCE ([www.tal.com.au](http://www.tal.com.au))**

Responsibility: BAU activities related to develop and enhance TAL's Insurance Online product.

***Accomplishments:***

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- **Technology used:** C#.Net, ASP.Net, Azure Functions, Angular JS Microservices, Azure DevOps and Micro front ends (under research as a 2021 transformation project)
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**CBHS HEALTH FUND ([www.cbhs.com.au](http://www.cbhs.com.au))**

Responsibility: Worked on CBHS's greenfield project for Overseas Student Health Insurance System.

***Accomplishments:***

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- CBHS's newly developed receipting, discounting and quotation microservices (Azure functions)
  - **Won COVID-19 performance award** for managing project demands and delivery schedules during adverse COVID-19 conditions.
  - **Technology used:** C#, .Net 4.5, .Net Core, Winforms, WPF, WCF, Azure Functions, Microservices usingDDD and CQRS, Jira, Confluence, TeamCity CI/CD, Unit testing with XUnit, Git, SQL Server and Entity Framework Core
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**CASHNGO -- Sydney, NSW ([www.cashngo.com.au](http://www.cashngo.com.au))**

CashnGo is a growing fintech firm and specialises in online lending.

Responsibility: Develop, maintain and support application programs for administrative, Web and mobile systems using WPF, AngularJS, jQuery, Typescript, React and related tools. Analyze code for system testing and debugging; create test transactions to find, isolate and rectify issues; and manage a team of three developers.

***Accomplishments:***

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- Design, development and management of CashnGo's e-commerce website ([www.cashngo.com.au](http://www.cashngo.com.au)).
  - Developed CashnGo's automated and configurable System Workflow Manager (SWM). SWM is the backbone of all application flows used by the website and other in-house systems.
  - **Developed the transaction categorization system which reduced monthly expenses of \$40,000 AUD.**
  - **Awarded Most Valuable Professional (MVP) award for 2017 and 2018.**
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- **Architecture and development of CashnGo's decision-making/rule framework.** This framework enables non-developers to design decision-making workflow(s)/rule(s) for various processes like loan approval rules, customer engagement etc.
  - Reconfigured multiple systems to fuel improvements to productivity, efficiency, uptime and accuracy for national business operations. Developed code, system design and test/QA plans for all solutions and coordinated the releases.
  - Led, architected and participated in the design, testing and deployment of client/server, multitier applications.
  - Developed new procedures for requirements gathering, needs analysis, testing, scripting and documentation to strengthen quality and functionality of business-critical applications.
  - Developed large-scale, portable, thread-safe and ultra-high-performance foundation and application infrastructure libraries.
  - **Mentored and coach 4 team members in Sydney office.**
  - **Technology used:** C#, .Net 4.5, .Net Core, Winforms, WPF, WCF, Unit testing with XUnit, Microservices, Jira, TeamCity CI/CD, Git, Entity Framework Core, MySql and SQL Server
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#### **TZ ([www.tz.net](http://www.tz.net))**

Developed TZ's Packaged Asset Delivery and Management system for Singapore Post using WPF.

**Technology used:** c#.Net 3.5, WPF and Windows Workflow Framework (WF), SQL Server

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#### **BARCLAYS CAPITAL ([www.barcap.com](http://www.barcap.com))**

Responsibility: Design and develop Barclay's next generation Human Resource Management tool using WPF, WCF and SQL Server. This web-based tool enabled HR managers to visually analyze organizations human resource utilization.

### ***Accomplishments:***

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- Migration of old system from .Net framework 1.1 to 4.0 with enhanced functionalities for graphical reports/charts, performance and efficiency improvements.
  - Developed new versatile data refresh mechanism. This helped HR immensely by cutting down their dependency on IT/SLA
  - Mentoring, coaching and management of 3 offshore vendor team members in India
  - **Technology used:** VB.Net, ASP, C#, .Net 3.5, Winforms, WPF, WCF, Jira, Rational Clearcase, Entity Framework, SQL Server
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### **SAPIENT CORPORATION – Bangalore, India ([www.publicissapient.com](http://www.publicissapient.com))**

Responsibility: Develop line of business applications for clients like Citadel Investment Group, Chicago ([www.citadel.com](http://www.citadel.com)) and E-ON Energy Trading, Germany, using WPF, Prism and MVVM. Developed a commercial grade trading product for Citadel. It is a highly multi-threaded windows desktop application which loads data from financial sources like Reuters and Bloomberg. Allows user to switch between modules seamlessly while data fetch and aggregation happens asynchronously. It has multiple live threads which fetch data and update UI in real-time.

### ***Accomplishments:***

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- **Developed an equity research application for Citadel.**
  - **Awarded “Goto Buddy, 2010”** for being an efficient problem-solver for **Citadel’s Chicago trading desk.**
  - **Technology used:** C#, .Net 3.5, WPF, WCF, Jira, VSS, Entity Framework and SQL Server
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### **MINDTREE CONSULTING – Bangalore, India ([www.mindtree.com](http://www.mindtree.com))**

Responsibility: Product development for FLIR Systems, Sweden ([www.flir.com](http://www.flir.com)), using WPF, Prism and MVVM.  
Product detail: [Thermal Analysis and Reporting](#)