Yogesh C Kumaravel

SENIOR SOFTWARE ENGINEER

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# Summary

**Software Engineering** *Sydney, AU*

9 YEARS EXPERIENCED

* Highly enthusiastic to learn and to meet new challenges.
* Seeking to join a collaborative team with a forward-thinking mindset, where open-mindedness and constructive feedback foster a culture of continuous learning, idea generation, and mutual growth.
* Worked closely in multiple domains such as product life cycle management, manufacturing, logistics, supply chain and inventory management.
* Graduated Master of Engineering specialized in Mechatronics from University of Melbourne which led to a wide array of opportunities to learn and develop many small-scale projects.
* I am currently on a TSS 482 Visa and in the process of obtaining Permanent Residency (PR). To ensure a smooth transition, I am seeking sponsorship until my PR is finalized. I am eager to contribute my skills and experience to a company that supports my long-term career goals.

# Skill Set

**Cloud :** AWS, Azure.

**PLM :** Windchill PLM, Seimens Teamcenter

**Frameworks :** Spring MVC (Java), Spring Boot (Java), Angular, ASP.NET Core (C#), WPF(C#)

**Messaging :** Azure Event Grid, ActiveMQ.

**Mobile Frameworks :** Xamarin Forms, React-Native, Flutter

**Database :** PostgreSQL, Oracle 10c, MySQL, SQL Server, MongoDB

**Servers :** Apache Tomcat, Jboss, Nginx, IIS

# Education

**University of Melbourne,** *Melbourne,AU*

MASTER OF ENGINEERING IN MECHATRONICS - *June 2019*

* Focused mainly on Dynamics, Robotics System and Control engineering.
* Year-Long project - Portable mobile charging station

**Anna University,** *Chennai,IN*

BACHELOR OF ENGINEERING IN ELECTRONICS AND COMMUNICATION - *May 2014*

* Basics of electronic devices
* Final year project - ENHANCED INEA FOR IMPROVING QoS IN SINGLEHOP HETEROGENEOUS NETWORK
* Proposed a new method for authenticating and signalling users without any delay.

# Career History

**Central Innovation** *Sydney, AU*

SENIOR SOFTWARE DEVELOPER [*Jan 2021 – PRESENT]*

**Skills: DDD, Azure, Microservices, C#, ASP.NET Core, SQL Server, MySQL, SW, PDM, WPF**

Central innovation is a leading license seller for Dassault systems and implementation of SOLIDWORKS PDM and ArchiCAD and plugin tools.

* Developed BOM management tool using ASP.NET Core web api.
* Developed SOLIDWORKS Add-In to extract data using solidworks api.
* Developed WPF .NET Framework 4.7 (C#) batch processor for SOLIDWORKS.
* Designed and developed an installer using WixSharp Framework (C#, WixTool) for a middleware ETL tool Datasuite to reduce implementation time from 1 hr to 5 mins.
* Designed backend datamodel for WPF applciation to work with stand-alone(sqllite DB) and remote(Azure WebService) for product inventory orchestration and have microservices for ERP integrations.
* Involved in planning and refactoring legacy technology to current .NET 5 Core
* Involved in planning and designing a cloud solution with subscription based business model
* Designed and built cloud architecture(Azure) hybrid solution working both local (On premises) and remote (Cloud) service.
* Azure event grid for managing notifications.

**Peacock Bros** *Melbourne, AU*

SOFTWARE DEVELOPER [*Oct 2019 - Jan 2021]*

**Skills: (TDD/DDD), AWS, Xamarin.Forms, C#, ASP.NET MVC, SQL Server, WinForms**

Peacocks were leading sellers for labels, zebra printers, and Honeywell devices for stock inventory and supply chain management.

* Designed and developed Xamarin application for variety of Honeywell device (CT40, CT50,CT60). Honeywell devices are mainly used to capture barcode (GS1standrads). SQL server is used as primary database
* Used Honeywell native android scanners to increase productivity of stock take applications.
* Developed Xamarin.Android (C#) application for electronic proof of delivery(ePOD) for supply chain in logistics and integrated with Zebra printers.
* Designed and developed.
* Developed conveyor monitoring applications for warehouse management system using Datalogic image scanners and windows form applications.

**CricDoc** *Melbourne, AU*

SOFTWARE DEVELOPER INTERN [*Sep. 2017 - Mar. 2019]*

**Skills: AWS, React/Angular, Fitbit SDK, Android (Java), React-Native (Android/iOS), Kafka, Firebase.**

To improve the career of fast bowlers in the game of cricket, an attempt was made to track their movements and prevent injuries in players to extend their careers.

* Developed algorithm to match user movements using IMU sensors to recognize Cricket Bowling action. PostgreSQL and firebase were used in the backend.
* Created and maintained applications streaming to AWS. Installed and deployed Kafka cluster in EC2 and deployed NodeJS server as a consumer and wearable applications as different producers.
* Application was developed in different platforms which included Android Mobile, Wearables, Fitbit and Tizen

**Freelance – [Madrone]** *Chennai, IN*

SOFTWARE CONSULTANT [*Jul. 2016 - Feb. 2017]*

Madrone was a service-based company for software finance and logistics space.

**Skills: AWS, Angular, Spring MVC, Spring Boot, Bootstrap, Java, Oracle 12c.**

* Designed and developed a logistics planning and scheduling application based in java spring MVC and Restful service. Oracle 10c was used for data storage.
* Developed Restful application interface for legacy system (NAVIS Config GATE) and new AGS (Automated Gate System)
* Developed configurable framework for Restful applications to reduce dependency and increase scalability.

**Accenture** *Pune, IN*

SOFTWARE ENGINEER [*Jun. 2014 - Jul. 2016]*

**Skills: Spring MVC, PTC Windchill, Bootstrap, Java, Oracle 10c.**

Accenture worked in Windchill PLM to design and manufacture medical devices by Boston Scientific.

* BSC - Paragon Implementation, worked in Product Lifecycle Management (PLM) domain based on PTC-Windchill application.
* Customized and configured Windchill PLM for Boston scientific client and Integrated 3rd party tools via EAI adapters.
* Organized Functional hand off and review meetings to interact with clients. Prepare technical designs for the customer functional requirements, develop, and build code.

# References

**Available upon request**