

# CURRICULUM VITAE

## Personal Information

Name	Vinay Arora
Date of birth	24 April 1990
Country of birth	India
Current location	Gurgaon, Haryana, India
Marital status	Married
E-mail	<a href="mailto:vin.aroar@gmail.com">vin.aroar@gmail.com</a> ; <a href="mailto:vinay.arora7171@gmail.com">vinay.arora7171@gmail.com</a> ;
Website	<a href="https://vinayaroratech.com/">https://vinayaroratech.com/</a>
Mobile	+91 931 097 7171
Skype	Vinay.arora67
Availability	As and when required.



## Summary

- A 10+ years of Full Stack Engineer with deep understanding of **.NET 6, .NET Core, .NET Framework, C#, Blazor, Web assembly, EF Core, Entity Framework, ADO.NET, Dapper, GraphQL, Rest APIs, SQL, Azure & AWS, Microservices, RabbitMQ, MassTransit, Docker** and **Angular 2+** technologies.
- Working as individually contribution role, assisting other team members, participate in code reviews and solution architecture discussions.
- Experienced with RDBMS development - SQL Server, **query optimizations, complex joins**, and **stored procedures**.
- Experienced in **N - tier** Architecture, **DRY, DDD, SOLID principles**, and **design patterns**.
- Experienced in developing **Restful, SOA-based, Microservices** applications with different security / authentications (Jwt).
- Experience with **core C#-Multithreading, collections, generics**, and asynchronous architectures and designs
- Experienced on tools such as **Jenkins, TFS**, and **Docker** for Continuous Integration & Deployment.
- **DTO**, and **Strategic** in the development of Multi-Tier distributed Enterprise Applications.
- Hands on experience in NuGet Package Manager.
- Experienced on Versioning tools like **VSS** (Visual Source Safe), **TFS** (Team Foundation Server) and **GIT**.
- Experienced in Configuring and deploying applications on **NGNIX, IIS** server.
- Knowledge of JSON Logic and XML Suite of Technologies XML, XSL, XSLT, and validations.
- Hands on experience with cloud platform on **Azure, AWS**.
- Experienced in logging and Debugging using **Serilog, NLog, Elmah** and **Log4net**.
- Experience with **Use-Case** design, **Class** and **Sequence** diagrams using **UML**.
- Experienced in a fast paced **Agile/Waterfall** Development Environment including **Scrum, Extreme and Pair Programming**.
- Experienced on Test-Driven Development (TDD) such as unit and integration testing using **NUnit, MS Test** and **Moq Framework**.
- Experience in developing the business reports using SSRS and Crystal Reports.
- Excellent team player with strong analytical and creative problem-solving skills, strategic planning, interpersonal and communication skills. Highly motivated, enthusiastic and self-starter.

## Expertise

Name	Years	Expert	Experienced	Beginner
.NET Framework, .NET Core	8	X		
C#	8	X		
SQL	8	X		
OOPS, SOLID, Design Patterns	5	X		
ASP.NET MVC	4	X		
Web API	4	X		
ASP.NET	3	X		
Entity Framework, EF Core	4	X		
JavaScript/jQuery	3	X		
TFS, GIT, SVN, VSS, VSTS	3	X		
Unit Testing	3	X		
WCF	3	X		
Microservice	3	X		
API Gateway (Ocelot)	1		X	
Angular JS 2/4/5/6	2	X		
Oracle	2		X	
React JS	1			X
Python/Django	1			X
WinForms Application	4	X		
Windows CE Mobile Device	3	X		
MSMQ, RabbitMQ	2	X		

## Education

2012 – 2014	Maharishi Dayanand University, Rohtak (HR), India Master of Computer Application (MCA)
2008 – 2011	Maharishi Dayanand University, Rohtak (HR), India Bachelor of Computer Application (BCA)

## Awards & Certifications

- Microsoft Certified: Azure Fundamentals on 10 January 2021.
- Earned “Movers & Shakers – I Made A Difference” Award at Aristocrat, June 2019
- Earned “Inspire” Award for leadership and learning at Incedo, July 2018 & April 2018
- Earned “Certificate of Recognition” Award for Toastmasters Speech Craft Program at Incedo, June 2018
- Earned “Client Appreciation” Award at Bar Code India, May 2014.

## Professional Experience

**Pure Software Pvt Ltd**

**May 2019 – present**

**Gurugram, IN**

**Lead Engineer**

**Responsibilities:**

- Works independently & is fully proficient in applying established standards
- Assist in developing product specifications, architecture, designs.
- Followed Agile and Scrum Methodology and to produce high Quality software.
- Provides troubleshooting, maintenance, and corrective actions for technical issues faced by other Engineering Groups
- Ensures that the implementation of application engineers is reviewed with respect to project standards and quality documents
- Ensure group work in compliance with quality / safety procedures. Identify possible improvement opportunities and manage their implementation

**Environment:** Microservices, C#, .NET 5/Core, REST API, Azure, GCP, Docker, Kubernetes, Azure DevOps, Git, SQL and MongoDB.

**Incedo Inc**

**Oct 2017 – May 2019**

**Gurugram, IN**

**Senior Software Engineer**

**Responsibilities:**

- Works independently & is fully proficient in applying established standards
- Interaction with Architects, Business team in story grooming, reviewing story/acceptance criteria
- Coding, development, implementation, task break up, effort estimation, go-live support and meet timelines with quality deliverables.
- Guiding other engineers through development
- Implemented REST Microservices using .NET Core, WEP API, C#, API Gateway, JWT, OAuth 2.
- Implemented Communication Microservice for send email/SMS notification using strategic design pattern and solid principle. Integrated Swagger UI and wrote integration test along.
- Handled the tasks of identifying system deficiencies and implementing effective solutions.
- Responsible for team management, monitoring, reporting, proper and timely project execution, mentoring juniors, performed code reviews.
- In addition, I delivered internal technical training on MVC, Web API and Security.

**Environment:** Microservices, C#, .NET Core, Restful web Services, API Gateway, OAuth 2, JWT, MVC, HTML, Serilog, Git, JIRA, VS Test, PostgreSQL and Docker.

**Xchanging Technology**

**Jan 2017 – Oct 2017**

**Gurugram, IN**

**Senior Software Engineer**

**Responsibilities:**

- Design, Code and Unit Test Common Functionality in the Framework, to allow new Functional Requirements to be developed more quickly and with less code.
- Work closely with small offshore work-stream teams led by a Team leader, to support and assist with turning the documented Technical Solution into a robust high quality coded, unit tested and integration tested deliverable.
- Perform peer code reviews of code and unit tests produced by other developers, to ensure that all code meets the documented coding standards and is fully tested before being committed to the source control system.
- Work on defects raised by the System Testing team or others. This will include analysing the cause of the defect, proposing, and identifying a solution, and fixing the defect by making changes to the code.
- Demonstrate progress on deliverables to stakeholders, by giving demonstrations of new Features during the development lifecycle.
- Produce Task Lists and estimates of effort for Technical Solutions that the programming team will follow in orders to produce the deliverable.
- Participate in team meetings giving updates on progress and issues that are being faced

**Environment:** WPF, Silverlight, C#, .NET Framework, WCF Services, TFS, VS Test, SQL.

**Aspire Systems India Pvt Ltd**

**May 2016 – Jan 2017**

**Gurugram, IN**

**Senior Software Engineer**

**Responsibilities:**

- Worked as individual contributor, coding, development, implementation, go live support, requirements gathering and meet the project timeline.
- Utilizes coding and problem-solving skills to create new and update existing code, including but not limited to user guides, task breakup, and packaging.
- Analyzes code for development and bug fixing.
- Worked closely with Stack Holders and QA Team for fixing production bugs.
- Worked in Agile Methodology. Coded and edited Unit Testing, Integration Testing.
- Responsible for coordinating with onshore team.

**Environment:** MVC, C#, .NET Framework, Restful Web Services, Git, TFS, VS Test, SQL and Hibernate.

**ResBird Technologies Pvt Ltd**

**Jul 2015 – May 2016**

**Gurugram, IN**

**Senior Software Engineer**

**Responsibilities:**

- Responsible for requirements analysis, technical design, implementation and testing
- Utilizes coding and problem-solving skills to create new and update existing code, including but not limited to user guides, task breakup, and packaging.
- Successfully develops, executes and manages development plans to meet deadline.
- Responsible for updating Team Lead regarding status of development efforts.
- Analyzes code for development and bug fixing.
- Responsible for coordinating with stake holders and solving production issues
- Implemented all the components following test-driven development methodology using NUnit.
- Used SVN as version control system.

**Environment:** .NET 4.5, MVC 4, Entity Framework ORM 4, Agile/Scrum, SQL 2008 R2, HTML5, jQuery, SVN, Log4net.

**Bar Code India Ltd**

**Feb 2013 – Jul 2015**

**Gurugram, IN**

**Senior Software Engineer**

**Responsibilities:**

- Worked as individual contributor, coding, development, implementation, go live support, requirements gathering and meet the project timeline.
- Direct client communication and handling.
- Responsible for onsite (India) development.
- Analyze system specifications and translate system requirements to task specifications, efforts estimation, maintain tracker of project and unit testing.
- Handled the tasks for developing, designing finding problem areas and bug fixing.
- Responsible for updating project manager regarding status of development efforts
- Responsible for coordinating with stake holders and solving production issues.

**Professional Projects**

<b>Project 1</b>	<b>: Market EyeQ</b>	<b>(Automotive Sales)</b>	<b>Full Stack Developer</b>
Duration	: Present		
Organization	: Pure Software		
Client	: Confidential		
Role	: Lead Technical Engineer		
Team size	: 12		
Technologies	: Microservices, .NET 5 / Core 3.1, C#, Web API, SQL, Azure, Azure, DevOps, Web Jobs, GCP, Kubernetes, Docker, Angular, MongoDB.		

Scope of project:

- Market EyeQ is the automotive sales platform that will maximize your team's success by targeting prospects who are ready to buy both new and used cars right now.

My contribution, my achievements and results:

- Gaining the sub system knowledge and understanding its business requirement.
- Worked as an equal member of a twelve-person team to handle Deal Calculator core part of the system.
- Clubbed public + private incentives to best offer for a given closed deal in the first three months of development.
- Helped to refactor a legacy system.
- Build NuGet packages for shared projects.
- Actively involved in coding, code review and designing.
- Unit tested various components of the program to make sure all the components were behaving properly.
- CI/CD Using Azue DevOps.

- In addition, responsible for team management, monitoring, reporting, proper and timely project execution, mentoring juniors, performed code reviews.
- Effectively leads and manages junior team to exceed product quality.
- Utilizes coding and problem-solving skills to create new code, including but not limited to user guides, task breakup, and packaging.
- Responsible for updating project manager regarding status of development efforts
- Handled the responsibilities of managing technical risks throughout the project.

**Project 2 : Loyalty Extended Buckets (Casino Games) Full Stack Developer**  
 Duration : Nov 2019 – Oct 2020  
 Organization : Pure Software  
 Client : Confidential  
 Role : Lead Technical Engineer  
 Team size : 8  
 Technologies : Microservices, .NET Core 3.1, C#, Web API, SQL, Dapper, RabbitMQ, Auth2  
 Dockers Container.

Scope of project:

- Extended buckets will be an interface to define buckets dynamically via loyalty UI.
- These buckets should support earnings, redemptions, adjustments, expiration and voids as per configuration. This interface should also support all existing rules and configuration like limits, negative balances, liability calculations.
- This interface core functionality will be exposed as a REST service and it should support any authorized system including but not limited to Oasis Loyalty, POS, Oasis.

My contribution, my achievements and results:

- Gaining the sub system knowledge and understanding its business requirement.
- Responsible for designing the API Gateway, implementing application authentication using Auth 2, Swagger, Logging using Serilog and RabbitMQ for request-reply pattern.
- Build NuGet packages for shared projects.
- Implemented the Entity Framework Code First Approach to interact with Database also implemented the Mappings, Model Changes, CRUD operations and dealt with performance issues.
- Used custom error handling in web API to pass proper error message rather than generic error message to better understand the error.
- Applied the AGILE methodology of the SDLC which include Business layer, Service layer and data layer for the application.
- Actively involved in coding, code review and designing using C# and ReSharper.
- Unit tested various components of the program to make sure all the components were behaving properly.
- Have deployed the code to the System test (SIT), UAT and PROD environments and provided support to the applications
- In addition, responsible for team management, monitoring, reporting, proper and timely project execution, mentoring juniors, performed code reviews.
- Effectively leads and manages junior team to exceed product quality.
- Utilizes coding and problem-solving skills to create new code, including but not limited to user guides, task breakup, and packaging.
- Responsible for updating project manager regarding status of development efforts
- Handled the responsibilities of managing technical risks throughout the project.

**Project 3 : Marketing Rules (Casino Games) Full Stack Developer**  
 Duration : Five months (May 2019 – Oct 2019)  
 Organization : Pure Software  
 Client : Confidential  
 Role : Lead Technical Engineer  
 Team size : 5  
 Technologies : Microservices, .NET Core 3.1, C#, Web API, SQL, Dapper, RabbitMQ, Auth2  
 Dockers Container, JSONLogic.

Scope of project:

- Purpose of rules engine library is to evaluate rules and expressions in a domain agnostic

manner. It is heart of marketing rules engine.

- Rules Engine is a framework that provides core automation services for processing events that occur in the system. The goal is to enable a user to define a set of rules for the system to filter, identify and process events as they occur, applying logic and reacting to the events in a way that supports the organization's goals.
- Rules Engine library is JSON based domain agnostic library. This library is built on top of open source library JSONLogic (<http://jsonlogic.com/>). JSONLogic provides a small, safe way to delegate one decision. One rule lead to one decision, with no side effects and deterministic computation time. It will work as plug n play component.

#### My contribution, my achievements and results:

- Gaining the sub system knowledge and understanding its business requirement.
- Responsible for designing and developed Rules Engine Library.
- Implementing Rules Engine Library, application authentication using Auth 2, Swagger, Logging using Serilog and RabbitMQ for request-reply pattern.
- Build NuGet packages for shared projects.
- Implemented the Entity Framework Code First Approach to interact with Database also implemented the Mappings, Model Changes, CRUD operations and dealt with performance issues.
- Used custom error handling in web API to pass proper error message rather than generic error message to better understand the error.
- Applied the AGILE methodology of the SDLC which include Business layer, Service layer and data layer for the application.
- Actively involved in coding, code review and designing using C# and ReSharper.
- Unit tested various components of the program to make sure all the components were behaving properly.
- Have deployed the code to the System test (SIT), UAT and PROD environments and provided support to the applications
- In addition, responsible for team management, monitoring, reporting, proper and timely project execution, mentoring juniors, performed code reviews.
- Effectively leads and manages junior team to exceed product quality.
- Utilizes coding and problem-solving skills to create new code, including but not limited to user guides, task breakup, and packaging.
- Responsible for updating project manager regarding status of development efforts
- Handled the responsibilities of managing technical risks throughout the project.

**Project 4 : TreKIT Health (Healthcare) Full Stack Developer**  
Duration : Fifteen months (Feb 2018 – May 2019)  
Organization : Incedo Inc  
Client : Confidential  
Role : Technical Lead  
Team size : 4  
Technologies : .NET Core 3.1, C#, Angular 8, Web API, SQL, Dockers, Container and Azure

#### Scope of project:

- TreKIT provides clinicians with an intuitive, patient-centric task management tool to track, manage and coordinate clinical care.
- Easily assign, date and time tasks, categorize them for when they are due, and view cleared tasks

#### My contribution, my achievements and results:

- Direct client communication and handling
- Worked in agile framework as an individual contributor Responsibilities include - Interaction with Architects, Business team in story grooming, reviewing story/acceptance criteria, coding, development, implementation, task break up, effort estimation.
- Handled the tasks of identifying system deficiencies and implementing effective solutions.
- In addition, responsible for team management, monitoring, reporting, proper and timely project execution, mentoring juniors, performed code reviews.
- Developed story/task by following TDD/BDD and Pair programming concepts. Providing daily status in scrum meetings with the internal team.
- Provide the production issue support, build, deployment and release.

- Effectively leads and manages junior team to exceed product quality.
- Utilizes coding and problem-solving skills to create new and update existing code, including but not limited to user guides, task breakup, and packaging.
- Responsible for updating project manager regarding status of development efforts
- Handled the responsibilities of managing technical risks throughout the project

**Project 5 : Incedo Pay (Banking) Full Stack Developer**  
 Duration : 12 Months (Jun 2018 – May 2019)  
 Organization : Incedo Inc  
 Client : Confidential  
 Role : Technical Lead  
 Team size : 10  
 Technologies : Microservice, Design Patterns, .NET Core 2.2, C#, MVC Core, Web API Core, PostgreSQL, RabbitMQ, AWS

Scope of project:

- Incedo Pay Product focusing on U.S. market only.
- Payments – ACH, Virtual Cards and Checks.
- Incedo Pay will perform translation on files.
- EDI 820 / EDI 835 formats will be supported. Incedo Pay platform can process these native EDI formats.

My contribution, my achievements and results:

- Worked as individual contributor, coding, development, implementation, go live support, requirements gathering and meet the project timeline.
- Provide the production issue support, build, deployment and release.
- Proactively developing and managing the projects by implementing coding standard, introducing new and improved technologies and strategies and providing creative solutions to coding challenges.
- Effectively leads and manages junior team to exceed product quality and goal including training in the company while playing an active development role.
- Utilizes coding and problem-solving skills to create new and update existing code, including but not limited to user guides, task breakup, and packaging.
- Responsible for updating project manager regarding status of development efforts
- Handled the tasks of identifying system deficiencies and implementing effective solutions
- Handled the responsibilities of managing technical risks throughout the project
- Responsible for creating and executing development plans

**Project 6 : Payment Exchange - B2B (Banking) Backend Developer**  
 Duration : Twelve months (Apr 2018 – May 2019)  
 Organization : Incedo Inc  
 Client : Confidential  
 Role : Senior Software Engineer  
 Team size : 3  
 Technologies : .NET, C#, MVC, Web API, Windows Service, SQL

Scope of project:

- Citi Payment Exchange Product focusing on U.S. and Canada market only.
- Payments – ACH, Virtual Cards and Checks.
- Citi Connect providing connectivity solution for only Pass-Through Service Type.
- Citi Connect will not perform translation on files.
- Only EDI 820 / EDI 835 formats will be supported. Payment Exchange (PMTX) Platform should be capable of processing these native EDI formats.

My contribution, my achievements and results:

- Provide the production issue support, build, deployment and release.
- Responsible for updating project manager regarding status of development efforts
- Handled the tasks of identifying system deficiencies and implementing effective solutions
- Handled the responsibilities of managing technical risks throughout the project
- Responsible for creating and executing development plans

**Project 7 : Investment Management System (Finance) Full Stack Developer**  
 Duration : Thirteen months (Oct 2017 – Nov 2018)  
 Organization : Incedo Inc.  
 Client : Confidential  
 Role : Senior Software Engineer  
 Team size : 3  
 Technologies : Angular 6, .NET, C#, Web API, MSMQ, SQL, Azure

Scope of project:

- User Interface to handle trade capture and reporting
- Import Export Module for Market Data feeds and other systems
- Asset Allocation Functionality
- Downstream Feeds to TPG
- Reporting

My contribution, my achievements and results:

- Worked as individual contributor, coding, development, implementation, go live support, requirements gathering and meet the project timeline.
- Direct client communication and handling
- Handled the tasks of providing technical direction for developing, designing and integrating systems for customers
- Assigned the tasks of monitoring and reviewing the work of the development team
- Responsible for updating project manager regarding status of development efforts
- Handled the tasks of identifying system deficiencies and implementing effective solutions
- Assigned the tasks of enforcing coding standards
- Handled the responsibilities of managing technical risks throughout the project
- Responsible for creating and executing development plans
- Performed code reviews and supervised junior developers

**Languages**

Language	Speaking	Writing	Reading
Hindi	Native language	Native language	Native language
English	Excellent	Excellent	Excellent

**Hobbies and Interests**

Gym, travelling and parties.

**References**

References are available upon request.

**Contact Details**

<b>Name</b>	Vinay Arora
<b>Address</b>	House No 233 Ward No 18 Lohiya Wara Near Old Bus Stand, Sohna Distt Gurgaon – 122103
<b>Mobile</b>	+91-9310977171
<b>Email</b>	<a href="mailto:vin.aroar@gmail.com">vin.aroar@gmail.com</a> ; <a href="mailto:vinay.arora7171@gmail.com">vinay.arora7171@gmail.com</a> ;
<b>Skype</b>	Vinay.arora67
<b>Date of Birth</b>	24 April 1990
<b>Location</b>	Gurugram, Haryana, India 122103
<b>LinkedIn</b>	<a href="https://www.linkedin.com/in/vinuarora/">https://www.linkedin.com/in/vinuarora/</a>
<b>Blog</b>	<a href="https://vinayaroratech.com/">https://vinayaroratech.com/</a> , <a href="http://journeytodotnet.blogspot.com/">http://journeytodotnet.blogspot.com/</a>
<b>GitHub</b>	<a href="https://github.com/vinaykarora">https://github.com/vinaykarora</a>