

# VIMAL KUMAR R

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## SUMMARY

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Skilled C and API Developer with over 3+ years of hands-on experience building scalable and secure web applications and RESTful APIs using ASP.NET Core and C. Proficient in designing clean backend logic, integrating databases with Entity Framework and T-SQL, and delivering high-quality solutions that meet business requirements. A collaborative team player committed to clean code and modern software practices.

## Education

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**Kamaraj College of Engineering & Technology**

*B.E. – Computer Science Engineering*

**Virudhunagar**

*2021*

**Nadar Higher Secondary School**

*XII – Higher Secondary*

**Rajapalayam**

*2017*

**Nadar Higher Secondary School**

*X – Secondary School*

**Rajapalayam**

*2015*

## Technical Skills

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**Languages:** C#, T-SQL

**Frameworks:** .NET Core, ASP.NET Core, Entity Framework Core

**API Technologies:** RESTful APIs, Swagger, Postman, JSON, XML

**Tools:** Visual Studio, SSMS, MongoDB

## Professional Experience

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**Ramco Systems**

*Software Engineer I*

**Chennai**

*July 2021 – Present*

- Designed and developed RESTful APIs using ASP.NET Core and C for business-critical systems.
- Integrated SQL Server using Entity Framework Core and optimized queries using T-SQL.
- Implemented API documentation using Swagger and performed endpoint testing via Postman.
- Secured APIs using JWT authentication and followed best practices for token validation.
- Refactored legacy .NET components to modern ASP.NET Core architecture, improving maintainability.
- Wrote unit and integration tests using xUnit and Moq to ensure code quality.
- Participated in Agile sprints, daily stand-ups, and code reviews for collaborative development.

## Projects

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**License Manager** | C#, .NET Core, Entity Framework Core, JWT

**March 2024 – Present**

- Designed and implemented RESTful APIs for license management (creation, validation, renewal, expiration).
- Developed database schema and licensing policies using Entity Framework Core for seamless data handling and migrations.
- Implemented JWT and OAuth authentication mechanisms to secure communication.
- Developed business logic for license issuance, expiration checks, and renewal processes.

**Ramco Virtual Works Installer** | C#, .NET Core API, SQL Server

**February 2021 – Present**

- Provided development, testing, and debugging support for desktop and web-based applications.
- Assisted project managers with defining detailed specifications and system design.
- Developed and maintained middleware programs for Windows desktop and web-based applications.

**SQL Studio** | C#, .NET Core, SQL Server, JWT

**March 2025 – Present**

- Developed RESTful APIs using .NET Core for managing SQL query requests and approval workflows.
- Implemented RBAC for user authorization, distinguishing between admins and support engineers.
- Integrated JWT authentication for secure communication between the frontend and backend.
- Monitored and logged query execution for auditing and compliance purposes.

## Languages

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Tamil (Native)

English (Professional Proficiency)