# Piyush Rao

# Full-Stack .NET Developer

# Certification

# Amazon Certified AWS Associate Developer

# Personal Info

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#### [GitHub Profile](https://github.com/raopiyu94)

#### [LinkedIn Profile](https://www.linkedin.com/in/piyush-v-79502a16a/)

#### [Portfolio Website](https://raopiyu94.github.io/)

**Education**

**MS in Computer Engineering**

*Stevens Institute of Technology*

**Date Earned:** December 2017

**GPA:** 3.7

**Graduate Certificates:**

1. Software Design for Embedded & Info Systems

2. Real-time & Embedded Systems

**BE in Electronics Engineering**

*Mumbai University*

**Date Earned:** August 2016

**CGPA:** 7.5

### Experience

**(IT) Application Developer – Specialist** Oct 2018- Present

*Client: Nationwide Insurance, Columbus, OH*

Job involves developing and maintaining chain of applications for asset management and scripting line. Applications help to manage assets supply/break-fix for more than 40,000 Nationwide employees. Apps are used for asset billing, inventory management, VM & PC management, deployment, and assignment etc.

* + Important role in SharePoint Online migration and pairing for VB.NET and C# apps.
  + Developed 3 dynamic surveys to get feedback/responses from customers and the emails were sent overnight using batch processes.
  + Involved in developing microservices using .NET Core and Entity Framework Core.
  + Used Visual Studio, VS Code, and MS SQL Server Manager extensively.
  + Involved in modernization of UI for scripting applications using Angular 8.
  + Worked as L2 & L3 level support, solved incidents and service requests for users.
  + Experimented with AWS and assisted in migration of applications to a new server, set up applications, testing, and resolved related issues.

***Achievement #1:*** Designed system to clear PC rules from SCCM, improved the security, automated technician’s work, and saved approx. 168169$ per year.

***Achievement #2:*** Recognized for developing the NPS survey, making an immediate addition to it within 4 hours of finalizing the requirements and presenting it.

***Achievement #3:*** Developed no logon survey system, a project pending from 2013.

**Application Developer (Full-Stack .NET)** Jan 2018- Oct 2018

*Marlabs Inc., Piscataway, NJ (Client: Involta)*

The project is web-based Patient Management System for a multi-facility hospital. Incorporated efficient patient care by time monitoring, on-boarding, and bed allocation.

* + Developed the project using ASP.NET MVC 5 and created services using WEB API 2.0, configured its security, performed CRUD operations Smoke and Unit Testing.
  + Worked mostly on bed allocation module, interfaced the not allocated beds and allowed users to assign them to patients in real-time.
  + Implemented the data access using ADO.NET Entity Framework 6.0. & LINQ to SQL.
  + Used majorly Angular 2 for developing the reactive forms for onboarding a patient and storing details along with HTML5, CSS3, and Bootstrap.
  + Incorporated AWS as cloud service (SNS) and assisted in migrating database.
  + Conducted brainstorming activities for colleagues, welcomed new additions to the project and suggested to incorporate nurse and doctor allocation modules.

**Software Developer** June 2014- July 2016

*Annex Data Systems (Client: ARK Chemicals Pvt. Ltd.), India*

Project was a logistics and chemical supply tracking application.

* + Developed the backend using ASP.NET MVC, enriched UI using JavaScript, and integrated with SQL Server database using LINQ to SQL.
  + Applications maintained a record of incoming, outgoing and in-stock chemicals.
  + Assisted in creating reports which helped company realize the fast moving/slow moving chemicals, and market requirement of the imports and exports.
  + Used HTML, CSS, and JavaScript to design beautiful views for the application.

**Web Developer Intern** May 2013- Sept 2013

*Ambiz Corporation Pvt. Ltd., India*

Developed a static website with the company and product information.

* Wrote HTML, CSS scripts to beautify the website and implement watermarks.
* Created a basic JavaScript form to submit request for a site visit and cost prediction.
* Used CSS, JQuery, and JavaScript for beautifying the UI.

### Technical Skills

C#, Java, Python, .NET Framework, .NET Core, VB.NET, ASP, MVC, MVVM, MVW, SOA, Microservices, HTML5, CSS3, ServiceNow, Node.js, AngularJS (1.5/1.7), Angular(8.0/6.1/4.0/2.0), JavaScript, TypeScript, AJAX, JQuery, Karma, Jasmine, JSON, Bootstrap (3,4), WordPress, ADO.NET Entity Framework 6, Entity Framework Core, ADO.NET, LINQ to SQL, ASP.NET MVC 5.0, WCF, WEB-API 2.0, RESTful, IIS, Windows Server hosting (2008 R2, 2016), AWS, Azure, Docker, SQL Server, MySQL, Postgres, MS-Access, MongoDB, Kendo UI, Android Studio, Kendo Angular, Telerik, DynamoDB, N-Unit, MS-test, MS Office, JIRA, MS Task Planner, SharePoint, Plotly, Git, GitHub, TFS, DevOps, Agile workflow, Waterfall, Unity3D, MATLAB, PowerShell, Postman, Fiddler.

### Other Skills

Team player, Ability to Work Individually, Good Soft Skills, Leadership, Quick learner, Passionate About Innovation.

### Projects

**Online Shopping Website** [(Link)](https://github.com/raopiyu94/post-application) July 2018

* Server-side was developed using Node.js and express; client-side using Angular 6.
* Implemented and experimented with complex concepts like AuthGuard, JWT authentication, Services, Interceptors, Pipes, Activated Routings, Template-Driven and Reactive forms.

**Employee Management Service** [(Link)](https://github.com/raopiyu94/Employee-Service)Aug 2017- Dec 2017

Employee service is a simple Web API in which CRUD operations can be performed. The project allowed to add/update/delete employee and related data.

* Developed service using Web API 2.0, consumed it using MVC 5.0.
* Integrated API with SQL Server using Entity Framework Database first approach.
* Used external libraries like Alertify and Font Awesome for improving Front-end.

**Travel Transaction Panel (TTP)** Aug 2017- Dec 2017

New Jersey bus service does not have a facility to pay by card which makes it necessary for residents to carry change. Developed a prototype payment module considering Stevens Institute of Technology campus bus.

* Developed rich GUI using Tkinter library in Python
* Database was relatively small, thus used SQLite to manage the data.

**E-Library** [(Link)](https://github.com/raopiyu94/E-Library)Jan 2017- May 2017

*Stevens Institute of Technology, NJ*

E-Library is an online service which helps you to login into your account and add, remove, edit books in your shopping cart. Books were sorted according to their genre.

* Sorted the library assets like books, audiobooks, educational films etc. and provided individual screens to borrow/rent/buy them by entering Stevens CWID.
* Librarians could alter the information regarding the book.
* Service was developed using ASP.NET Web API and integrated with SQL database using ADO.NET Entity Framework Code-First Approach.
* Used Angular JS 1.5, HTML5, CSS3, and JavaScript ES6 features to design the views.

**Chocolate Vending Application** [(Link)](https://github.com/raopiyu94/ChocolateVendingMachine)Aug 2013- Dec 2013

*Mumbai University, MH, India*

Employee service is a simple Web API in which CRUD operations can be performed. The project allowed to add/update/delete employee and related data.

* Crash-Proof console application of shopping cart with 2 ways to scan the chocolates, and 4 discount coupons issued to alter the final cost.

### Achievements and Co-Curricular Activities

* Student member of IEEE, CSI (Computer Society of India), and E-Cell.
* 1st in IEEE Project Presentation and Technical Debate (featured in IEEE Communique magazine).
* In top 20 contestants for Indian National Level IEEE Project Presentation competition held by IEEE-RAIT.
* Publicity head of IEEE DMCE (2014-2015).
* Volunteer for NGOs namely “Urmi Foundation” in a movement to collect clothes from local residences to donate to poor people.
* Volunteered for Forest Society of India and helped cleaning up SG National Park.
* Black belt in Japanese Karate from Sun Karate Club (Art of Self-Defense).
* Elementary degree in Indian Classical music on Mandolin.
* Music instrument skillset includes violin, flute, harmonium, and dholak (intermediate).