

Piyush Rao

Full-Stack .NET Developer

Certification

Amazon Certified AWS Associate Developer

Personal Info

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[GitHub Profile](#)

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[Portfolio Website](#)

Education

MS in Computer Engineering

Stevens Institute of Technology

Date Earned: December 2017

GPA: 3.7

Graduate Certificates:

- Software Design for Embedded & Info Systems
- 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
<p>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.</p>
Other Skills
<p>Team player, Ability to Work Individually, Good Soft Skills, Leadership, Quick learner, Passionate About Innovation.</p>

Projects
<div> <div>Online Shopping Website (Link)</div> <div>July 2018</div> <ul style="list-style-type: none"> 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. </div>
<div> <div>Employee Management Service (Link)</div> <div>Aug 2017- Dec 2017</div> <p>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.</p> <ul style="list-style-type: none"> 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. </div>
<div> <div>Travel Transaction Panel (TTP)</div> <div>Aug 2017- Dec 2017</div> <p>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.</p> <ul style="list-style-type: none"> Developed rich GUI using Tkinter library in Python Database was relatively small, thus used SQLite to manage the data. </div>
<div> <div>E-Library (Link)</div> <div>Jan 2017- May 2017</div> <p><i>Stevens Institute of Technology, NJ</i></p> <p>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.</p> <ul style="list-style-type: none"> 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. </div>
<div> <div>Chocolate Vending Application (Link)</div> <div>Aug 2013- Dec 2013</div> <p><i>Mumbai University, MH, India</i></p> <p>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.</p> <ul style="list-style-type: none"> Crash-Proof console application of shopping cart with 2 ways to scan the chocolates, and 4 discount coupons issued to alter the final cost. </div>
Achievements and Co-Curricular Activities
<ul style="list-style-type: none"> 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).