

# Rahulnarayan Iyer

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## SUMMARY

Back-end Software Engineer with 3 + years building high-traffic .NET services; currently pursuing an M.S. in Computer Science. Consistently accelerates C# APIs 40 %, orchestrates Azure DevOps pipelines, and maintains 99.9 % uptime across 25 000 + retail endpoints. Adept at SQL tuning, automated testing, and guiding Scrum squads to ship resilient payment features that elevate client NPS.

## SKILLS

**Languages:** C#, Java, Python, JavaScript, C, C++

**Frameworks:** ASP.NET Core, .NET MVC, React, Bootstrap, Web API

**Databases:** SQL Server, PostgreSQL, MongoDB, Entity Framework

**Cloud/DevOps:** Azure, AWS, Azure DevOps, GitHub Actions, Docker, CI/CD

**Practices & Tools:** Agile, Scrum, xUnit, Selenium, REST, Visual Studio, VS Code, Git

## PROFESSIONAL EXPERIENCE

### Senior Analyst (.NET Backend Engineer)

Capgemini Technology Services

Feb 2022 - Jul 2023

- Led payment platform processing \$2.3 M monthly for 25 000 + stores via C# .NET APIs, satisfying PCI-DSS controls.
- Coordinated 6-person squad across 12 Scrum sprints, delivering MVP on time and clearing backlog burn-down 18 % ahead plan.
- Boosted throughput 40 % via tuned SQL, caching layers, and offloading heavy workflows to asynchronous pipelines.
- Cut deployment risk 95 % by running 200 + regression tests, static analyzers, and smoke checks prior to live releases.
- Created idempotent endpoints with retries on Azure Service Bus, removing duplicate charges and slashing payment disputes.
- Built Azure DevOps YAML pipelines for blue-green releases with rollback on failed health checks, upholding 99.9 % uptime.
- Raised client NPS 30 points after integrating PayPal payments, cutting failure rate from 5 % to 0.2 % across regions.

### Analyst (.NET Developer)

Capgemini Technology Services

Feb 2021 - Jan 2022

- Optimized SQL and refactored architecture across 17 .NET apps, shrinking average response 3.2 s→2.5 s for 50 000 + users.
- Eliminated 8 bottlenecks in checkout flow, delivering 15 % faster responses and supporting 50 000 + daily sessions.
- Resolved 45 production defects within 24-hour SLA, sustaining 99.5 % uptime and protecting quarterly revenue commitments.
- Completed 40 h advanced C# MVC, Web API, and SQL training, scoring 95 % and sharing insights in weekly engineering guilds.

## PROJECTS

### E-Commerce Web Application

- Developed Razor-powered store with role-based access on Azure App Service, serving 1 000 users at 99.9 % uptime.

### Yelp Camp Clone

- Built camp-review app with Auth0 login, Mapbox maps, and MongoDB Atlas, enabling CI/CD for weekly feature drops.

### Social Media Sentiment Pipeline

- Engineered pipeline analyzing 5.8 M posts from 12 sources, achieving 95 % accuracy and 200 ms real-time dashboards.

## EDUCATION

### Binghamton University, State University of New York - Binghamton, NY

Master of Science in Computer Science

Aug 2023 - May 2025

- *Relevant Coursework:* Data Structures, Algorithms, Machine Learning, Operating Systems

### Savitribai Phule Pune University, - Pune, India

Bachelor of Engineering in Electronics & Telecommunication

Aug 2016 - May 2020

- *Relevant Coursework:* Embedded Systems G RTOS, Robotics, DSP

## CERTIFICATIONS

- Microsoft Certified: Azure Administrator Associate
- AWS Academy Cloud Foundations
- MathWorks Deep Learning Onramp
- Udemy Web Developer Bootcamp