

Harshvardhan Singh Chhetri

Senior Senior Software Engineer

SUMMARY

- Senior Software Engineer with 5+ years in C#/.NET ecosystem, specializing in ASP.NET MVC, .NET Core, microservices, and SQL Server.
- Expertise in designing scalable systems using CQRS, Clean Architecture, Redis caching, Kafka streaming, and Docker containerization.
- Proven track record in modernizing enterprise SaaS platforms, achieving up to 60x latency reduction and 90% dashboard response improvement.
- Strong background in security remediation, OAuth2/OIDC/SAML authentication, and FedRAMP compliance readiness.
- Certified AWS Solutions Architect and Microsoft Azure DevOps/Developer with hands-on experience in cloud, CI/CD, and observability tools.

TECHNICAL SKILLS

Main Technical Skills	C# (6 yr.), ASP.NET MVC (6 yr.), ASP.NET Core Framework (3 yr.), Microsoft SQL Server (6 yr.), Redis (2 yr.)
Programming Languages	C, C# (6 yr.), C++, Java, JavaScript (4 yr.), TypeScript (2 yr.)
JavaScript Frameworks	Angular (2 yr.), Vue.js
.NET Platform	ASP.NET Core Framework (3 yr.), ASP.NET MVC (6 yr.), EF Core (3 yr.), Entity Framework (3 yr.), Identity Server, Log4net, nuget
AI & Machine Learning	PandasAI
JavaScript Libraries and Tools	Vuetify
Security	AD Connect (2 yr.), Auth0 (2 yr.)
Data Analysis and Visualization Technologies	PandasAI
Databases & Management Systems / ORM	Elasticsearch (1 yr.), Microsoft SQL Server (6 yr.), Redis (2 yr.), Snowflake (1 yr.), SSMS (6 yr.)
UI Frameworks, Libraries, and Browsers	CSS (4 yr.), HTML (4 yr.), SAML (2 yr.)
Cloud Platforms, Services & Computing	AWS (3 yr.), Azure (3 yr.)
Web/App Servers, Middleware	Apache Kafka (2 yr.)

Collaboration, Task & Issue Tracking	Atlassian Confluence, Jira
Version Control	BitBucket, Git (6 yr.), GitHub
Methodologies, Paradigms and Patterns	Clean Architecture (3 yr.), microservices (3 yr.), TDD
QA, Test Automation, Security	Cypress, Postman, SpecFlow, Unit Testing
Logging and Monitoring	Datadog (3 yr.), Grafana (3 yr.)
Virtualization, Containers and Orchestration	Docker (2 yr.)
Third Party Tools / IDEs / SDK / Services	Microsoft Visual Studio Code, Visual Studio (6 yr.)
SDK / API and Integrations	OAuth (2 yr.), RESTful API (6 yr.), Swagger
Deployment, CI/CD & Administration	TeamCity
Other Technical Skills	Command and Query Responsibility Segregation, Debezium, Internet Information Services, Micro-frontends

WORK EXPERIENCE

Senior Software Engineer - Routeware Inc. (Routeware Control Center (RCC))

Duration: Aug 2026 – Present

Summary:

- Revamping an environmental fleet management platform designed to streamline efficient waste collection operations
- The platform includes an ASP
- NET MVC web application, driver device APIs, and Windows services for route processing, supporting production-grade enterprise systems

Responsibilities:

- Developing and maintaining features across the ASP.NET MVC web application, driver device APIs, and Windows services.
- Working extensively with C#/.NET Framework, SQL Server, and complex stored-procedure-based data workflows.
- Managing DbUp database migrations and Docker-based environments.

Technologies: C#, .NET Framework, ASP.NET MVC, SQL Server, DbUp, Docker

Software Engineer II - Brightly, A Siemens Company (Platform Engineering & Architecture (Asset Essentials) and related projects)

Duration: Dec 2023 – Aug 2026



Summary:

- Contributed to modernization of a large-scale enterprise SaaS platform for maintenance and asset management, including legacy ASP
- NET MVC 5 and modern
- NET 8 microservices
- Delivered new dashboard backend, integrated Kafka-based distributed processing, built early AI features, implemented Auth0 multi-custom domain support, remediated security vulnerabilities, and improved production reliability and UI modernization

Responsibilities:

- Modernized enterprise SaaS platform across legacy and modern architectures.
- Architected and delivered new dashboard backend with 10+ REST APIs using CQRS and Clean Architecture.
- Built containerized worker services with Kafka, AWS MSK, Snowflake streaming for bulk asset enrichment.
- Developed AI backend APIs and technician chat workflows.
- Implemented Auth0 multi-custom domain support across multiple services.
- Remediated 500+ security vulnerabilities and contributed to FedRAMP readiness.
- Led production releases and hotfix cycles with monitoring tools.
- Improved code coverage and reduced production defect rates.
- Worked on UI modernization and mobile responsiveness.

Technologies: ASP.NET MVC 5 (.NET Framework 4.8), .NET 8, Microservices, REST APIs, CQRS, Clean Architecture, Redis, SQL Server, Dapper, Kafka, AWS MSK, Snowflake, Auth0, OAuth2, OIDC, SAML, Azure AD, Snyk, DataDog, Grafana

Software Engineer I - Kenyt.AI (Kenynt Enterprise AI Assistants platform and CRM system)

Duration: Aug 2022 – Nov 2023

Summary:

- Designed and built the Kenyt Enterprise AI Assistants platform and CRM system, focusing on backend APIs and UI modules for lead management, dashboards, Kanban boards, and reporting systems
- Improved search performance using Elasticsearch tuning and API optimization

Responsibilities:

- Designed and developed backend APIs and UI modules using C#, ASP.NET Core, Angular, and TypeScript.
- Improved search performance with Elasticsearch tuning and API optimization.
- Participated in Agile/SDLC lifecycle and end-to-end feature delivery.

Technologies: C#, ASP.NET Core, Angular, TypeScript, Redis, Elasticsearch

Full Stack Engineering Analyst - Accenture (Enterprise web applications and REST APIs development)

Duration: Aug 2021 – Aug 2022

Summary:

- Built enterprise web applications and REST APIs using ASP



- NET MVC, C#, JavaScript, HTML/CSS, and Entity Framework
- Worked with cloud platforms and databases while contributing to Agile delivery cycles

Responsibilities:

- Developed web applications and REST APIs using ASP.NET MVC, C#, JavaScript, HTML/CSS, and Entity Framework.
- Worked with AWS, Azure, GCP, SQL/NoSQL databases, REST APIs, and unit testing frameworks.
- Contributed to Agile delivery cycles.

Technologies: ASP.NET MVC, C#, JavaScript, HTML, CSS, Entity Framework, AWS, Azure, GCP, SQL, NoSQL

EDUCATION

- **Graphic Era Deemed to be University**
Bachelor of Technology (B.Tech) in Computer Science and Engineering | CGPA: 8.7/10
Jul 2017 – May 2021
- **St. Joseph's Academy**
ISC (Class XII): 95.75% | ICSE (Class X): 96.4%
Apr 2004 – May 2017

CERTIFICATION

- **AWS Certified Solutions Architect – Associate (SAA-C02)**
Score: 743/1000
Dec 2021–24
- **Microsoft Certified DevOps Engineer – Expert (AZ-400)**
Score: 870/1000
Jul 2022–23
- **Microsoft Certified Azure Developer – Associate (AZ-204)**
Score: 800/1000
Jun 2022–23
- **Microsoft Certified Azure Administrator – Associate (AZ-104)**
Score: 800/1000
Mar 2022–23
- **Microsoft Certified Azure Fundamentals (AZ-900)**
Score: 900/1000
Apr 2022

