

Omkar Chaudhari

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Profile Summary

Detail-oriented Software Engineer with hands-on experience in Java and ASP.NET development. Skilled in building secure, scalable web applications using Spring Boot, ASP.NET Core/Framework, and REST APIs. Passionate about solving real-world problems through technology and eager to contribute to impactful projects in a collaborative and growth-focused environment.

Education

Bachelor of Engineering in Computer Science

Shri Sant Gajanan Maharaj College of Engineering, Shegaon
Secured CGPA: 8.45/10

Higher Secondary Education (12th Board)

Tripura Science College, Latur
Secured Percentage: 76.92%

Secondary School Education (10th Board)

Lokhit Upper Primary School, Manora
Secured Percentage: 84.60%

Technical Skills

- **Languages:** Java, C#, C++, Python
- **Frameworks:** Spring Boot, ASP.NET Core, .NET Framework
- **Web Technologies:** HTML, CSS, JavaScript, React.js, REST APIs
- **Tools & Platforms:** Git, GitHub, Postman, SQL Server, MySQL, AWS
- **Concepts:** REST APIs, API Authentication, OAuth, SAML, 2FA, Agile Methodology

Experience

Software Engineer (ASP.NET) | *Adunhill Technology Private Limited* Jun 2023 – May 2025

- Contributed to the .NET team in building security solutions—including Single Sign-On (SSO) using SAML, OAuth/OpenID, and Two-Factor Authentication (2FA) for .NET Core and .NET Framework applications, developed in Visual Studio, across popular CMS platforms like DotNetNuke (DNN), Umbraco, and nopCommerce.
- Developed BackOffice and Member SSO login support for the Umbraco plugin using ASP.NET Core MVC, and created a shared UmbracoLogin Library to support both SAML and OAuth plugins across multiple Umbraco versions.
- Built secure, extensible Web APIs in DNN using Entity Framework, supporting authentication methods like API Key, Basic Auth, and JWT.
- Implemented “Single Logout” (SLO) in the DNN OAuth plugin to ensure seamless session termination across DNN and the Identity Provider (IdP).
- Integrated dynamic metadata update functionality in the nopCommerce SAML plugin to include updated metadata in outgoing SAML requests.
- Integrated a troubleshooting module in the nopCommerce plugin to assist admins in debugging issues via detailed miniOrange logs.
- Tech Stack: ASP.NET Core, .NET Framework, MVC, Web API, Entity Framework, Visual Studio, OAuth, SAML, 2FA

- Designed and implemented backend services and RESTful APIs using Core Java and Spring Boot, resulting in a 20% reduction in server response time.
- Built scalable microservice-style components using Spring MVC and integrated them with client-side applications for seamless data flow.
- Optimized complex SQL queries and database schema design, improving retrieval efficiency by 30% on a MySQL backend.
- Utilized JDBC and explored JPA/Hibernate for efficient data persistence and transaction management.
- Performed API testing using Postman and managed code repositories with Git, contributing in Agile/Scrum ceremonies and sprint cycles.
- Tech Stack: Core Java, Spring Boot, Spring MVC, RESTful APIs, MySQL, JPA, Hibernate, JDBC, Postman, Git, Agile Methodology

Personal Projects

Smart Health Consulting and Online Health Shopping Portal | *Python Django*

- Developed a portal addressing modern health issues using smart health consulting systems.
- Used machine learning algorithms to classify diseases based on user input, achieving 93.62% accuracy.

Weather Prediction Website | *Python Django*

- Created a website to estimate weather for my village to assist local farmers.
- Utilized weather prediction algorithms for accurate forecasting.
- Enhanced agricultural planning and decision-making for local farmers.

Blogging Application | *Java Spring Boot*

- Implemented CRUD operations for user management, category APIs, and post APIs with relationships.
- Ensured security using Spring Security with Basic Auth and JWT and implemented role-specific access.

Certifications

- Accenture North America - Data Analytics and Visualization Job Simulation (Forage)
- AWS Cloud Practitioner Certificate (AWS)
- SQL (Udemy)
- Java Full Stack (Spark 2.0)