DEEPIKA SHAMALA

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Hyderabad, Telangana - 500058, India

PROFESSIONAL SUMMARY

Full Stack Developer with 3 years of experience specializing in .NET Core, C#, and microservices-based architectures. Skilled in building scalable web applications using Angular, with strong expertise in SQL Server and PostgreSQL. Proficient in Entity Framework, RESTful APIs, and AWS services. Recognized for improving application performance by up to 40%, reducing manual efforts through automation, and achieving 98% code coverage with unit testing, ensuring reliability and maintainability across projects.

EXPERIENCE

- **Paltech Consulting Private Limited [🌐]** *February 2023 - Present*
  Associate Software Engineer Hyderabad, India
  - Collaborated with stakeholders on requirements gathering and sprint planning, ensuring 100% alignment with project timelines.
  - Contributed across all phases of SDLC in an Agile environment to deliver scalable solutions.
  - Enhanced application performance by refining queries and APIs, reducing average response time by 35%.
  - Executed unit testing with XUnit, achieving 98% code coverage and ensuring robust system reliability.

- **Paltech Consulting Private Limited [🌐]** *August 2022 - February 2023*
  Trainee Software Engineer Hyderabad, India
  - Gained expertise in .NET Core, RESTful APIs, and design patterns, delivering maintainable and scalable solutions.
  - Revamped SQL Server schemas, queries, and stored procedures, reducing execution time by 30%.
  - Asset Management System and Task Management System in .NET Core, improving resource efficiency by 40% and reducing errors by 25%.

EDUCATION

- **Jawaharlal Nehru Technical University** *December 2022 - JUly 2025*
  BTech - Computer Science Engineering Hyderabad, India
  - CGPA: 7/10

- **Government Institute of Electronics** *June 2018 - April 2022*
  Diploma Secunderabad, India
  - Grade: 86%

- **Vignan Integrated Hight School** *March 2018*
  Secondary Education Hyderabad, India
  - GPA: 9.2/10

TECHNICAL SKILLS

- **Languages and Frameworks:** OOPS, .NET Core, C# Web API, Dapper, ADO.NET, LINQ, and Architectures
- **Web Technologies:** HTML, CSS, JavaScript, TypeScript, Angular, Tailwind
- **Database Systems:** SQL Server, PostgreSQL
- **Cloud Technologies:** AWS
- **Version Control:** Git, Git Lab, Git Hub
- **Tools:** AWS, Jira, Postman, Visual Studio, DBeaver, Figma, VS code, Sage intacct,

PROJECTS

- **SwitchFxTech: US-based platform for rehabilitation management and enabling patient-therapist interactions.**
  Tools: ASP.NET Core Web API, Angular, Postgres SQL, JavaScript, CSS, DBeaver

  ◦ Integrated payment functionality using Sage and Stripe, including secure webhook handling for real-time transaction processing.
  ◦ Implemented a centralized logging mechanism using AWS Lambda and SQS, enhancing monitoring and error traceability across distributed modules.
  ◦ Developed RESTful APIs using both code-first and database-first approaches, ensuring flexible schema evolution and backward compatibility.
  ◦ Strengthened authentication and authorization using JWT tokens, ensuring secure and stateless user sessions.
  ◦ Implemented caching mechanisms to improve API response times and reduce database load.
  ◦ Integrated a browser fingerprinting system to uniquely identify unregistered visitors, improving session tracking and analytics accuracy.
  ◦ Created cron jobs in PostgreSQL for scheduled data cleanup and archival of old records, improving database efficiency.
  ◦ Built Timesheets for both internal and client teams by integrating Jira APIs.
  ◦ Added locking mechanisms for external integrations to prevent concurrent access conflicts, beyond standard session timeouts.
  ◦ Session timeout features, eliminating 100% of unauthorized idle access incidents.
  ◦ Refined LINQ queries, reducing data retrieval latency by 40%.
  ◦ Integrated Polly Circuit Breaker, improving service uptime from 92% to 99% during transient failures.

- **PayRevision: A platform for managing employee salaries, hike cycles, and payslips, ensuring secure payroll processing.**
  Tools: ASP.NET Core, APIs, xUnit, SonarQube

  ◦ Contributed to features for managing employee salaries, hike cycles, and payslips, ensuring secure and accurate compensation handling.
  ◦ Implemented secure RESTful APIs with JWT-based authentication and role-based access control (RBAC) for payroll-related functionalities.
  ◦ Integrated SonarQube into the application to monitor and improve code quality, and performed unit testing with xUnit to validate functionality and ensure reliable, maintainable software.
  ◦ Worked on scheduled jobs for automated payslip generation and optimized database schemas for efficient storage and retrieval of payroll and hike history data.

- **BUZZ: A platform for managing employee information and project assignments.**
  Tools: C#, WebAPI, Entity Framework

  ◦ Delivered Resource Request module, reducing manual allocation effort by 25%.
  ◦ Accelerated EF queries, cutting data fetching times from 3s to under 1s.
  ◦ Implemented role-based access control, ensuring secure and appropriate user permissions.
  ◦ Developed Resources & Utilization screens, providing real-time visibility into team capacity and project assignments.

- **HRMS Portal: A platform for efficient onboarding, leave management, and attendance tracking.**
  Tools: C#, WebAPI, Dapper, SQL Server

  ◦ Created modules for leave management, department handling, improving operational efficiency by 20%.
  ◦ Devised a scalable SQL Server database schema, reducing data retrieval times by 40% and improving system efficiency.
  ◦ Converted C# logic into SQL stored procedures, improving processing speed by 30%.

KEY ACHIEVEMENTS

- Optimized LINQ/EF queries and APIs, reducing latency by 40% and DB execution time by 30%.
- Implemented JWT auth, role-based access, and browser fingerprinting for sensitive data protection.
- Integrated Jira Timesheets, and scheduled cron jobs for automated data handling.
- Added Polly Circuit Breaker (uptime 92% → 99%), xUnit testing (98% coverage), and SonarQube code quality monitoring.