MRUNALI SHIRKE

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SUMMARY

Software Engineer with 3+ years of experience in building scalable web applications using .NET Core, Angular, Blazor, and Microservices. Skilled in SQL Server, MongoDB, RabbitMQ, Kafka, and AWS S3. Adept at designing secure APIs, optimising performance, and collaborating with cross-functional teams to deliver enterprise-grade solutions across logistics, manufacturing, healthcare, and HRM.

EDUCATION

B.E. Information Technology, Mumbai University .... 2018 - 2022
CGPA: 8.2

Class XII, Fr. Agnel Multipurpose School, Mumbai .... 2017 - 2018
Aggregate: 78%

Class X, New English School, Mumbai .... 2015 - 2016
Aggregate: 92%

SKILLS

Languages	C#, JavaScript, TypeScript, SQL
Frameworks	.NET Core, Angular, Blazor, MVC, Web API, Microservices
Tools	Git, Docker, Azure DevOps, Postman, JIRA
Databases	SQL Server, MongoDB
Other	RabbitMQ, Kafka, AWS S3, OOPS, SOLID, REST APIs

EXPERIENCE

Software Engineer — Jul 2022 – Present
Neosoft, Mumbai

- Developed scalable enterprise applications using Blazor, Angular, and .NET Core.
- Partnered with cross-functional teams to capture requirements and deliver technical solutions.
- Integrated backend services with frontend, improving system responsiveness and UX.
- Reduced production bugs by 20% through debugging, optimisation, and quality assurance.
- Leveraged cloud (Azure/AWS), RabbitMQ, Kafka, and MongoDB for scalable, reliable systems.

PROJECTS

Trukker Logistics Platform

- Built a microservices-based logistics platform with modules for inquiry, loadboard, shipper, supplier, driver, and payments, enabling end-to-end shipment management.
- Integrated AI-powered WhatsApp and voice call channels, increasing operational efficiency by 40%.
- Utilised RabbitMQ and Kafka for real-time messaging and event-driven architecture.
- Designed and optimised MongoDB schemas for large-scale logistics operations.

Kirloskar Brothers Ltd. – Order Management System

- Engineered an enterprise-grade internal application for order management, BOM processing, and drawing management.

- Built an Indent Order module ensuring accuracy in downstream processes.

- Integrated Engineering Drawing Document Management system with version control and approval workflows.

- Implemented BOM generation workflows, improving production efficiency and reducing cycle time by 40%.

Human Resource Management Application

- Developed a high-performance HRM application automating employee management, attendance, and leave tracking.

- Implemented custom middleware and Serilog in .NET Core for logging.

- Applied Repository Pattern and optimised data access, improving performance by 30%.

- Integrated performance evaluation and time tracking, reducing manual HR tasks by 40%.

Hospital Management System

- Automated hospital workflows including doctors, appointments, prescriptions, and patient profiles.

- Integrated Google and Outlook calendar APIs, reducing scheduling conflicts by 30%.

- Secured patient data with authentication and authorisation mechanisms.

- Led integration of real-time features like live updates and notifications, boosting user engagement.

ACHIEVEMENTS

- Awarded **Star of the Month** (Dec 2023) for exceptional performance and innovation.

- Recipient of the **PPT Presentation Excellence Award** for delivering an impactful presentation.