Niloshima Srivastava

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Engineering Manager

Result Driven Software Engineering Professional with over 14 years of fully hands-on experience in delivering a broad range of products spanning consumer based to enterprise, orchestrating cross-functional teams. Spearheaded effective redesign of the software engineering processes resulting in the 25% reduction in duration and 10% increase in productivity.

Skilled in leading the team in Agile paradigm, I am committed to foster a collaborative work where I have been practicing "Delivery Every Sprint" philosophy and have been delivering High Impact Solutions with the blend of optimizing processes and tools with in technology teams and strategic decisions. My expertise in diverse technologies coupled with a passion for dynamic team building and product advancements fuels my commitment.

Professional Skills

Architecture & Design
System/Product Design, Software Architecture, OOAD, OOPS, SOLID, Patterns/Practices, Enterprise Patterns, Dependency Injection,

Cloud – Implementation & Security
Rest APIs, Microservices, Broker, Pub-sub, Functions, APIM, App Services, Service Bus, Blobs, Event Grids, Azure AD, RBAC, Azure Key Vault, Secure Storage, Encryption as a Services, Async Programming

CI/CD/CT - DevOps
TDD, Unit Test Frameworks, Azure DevOps, GIT, Perforce, TFS, Jenkins, VSTS

Productivity/Tools
Kloudfuse APM, Grafana, Elastic Stack, Devtron, Plant UML, JIRA, Confluence, Draw.IO, Zoho, Mixpanel, Cloudflare, Use Cases & Sequence Diagrams

Delivery & Planning
Capacity Planning & Estimation, Product Roadmap, Project Execution, Cross-functional Dependencies, Stakeholder Communication, Cross Domain

Soft Skills
Strong Communicator, Technical Leadership, Program Management, Problem Solving, Strategic Management, Budget Management, Risk Assessment, Performance Monitoring, Employee Lifecycle Management

Core Competencies

- Agile - Scrum Kanban
- Microservices
- DevOps CI/CD
- System/Product Design
- Cloud Azure & AWS
- DB - SQL NoSQL
- Patterns and Principle
- C# .net Core Java Python
- Docker Kubernetes Elastic Stack

Responsibilities

Managing a team of 20 engineers in the Pre-Order space of e-commerce (1mg) application, to develop and launch a new CMS resulting in 25% reduction in cost saving from catalog/category Teams perspective, over a ~ 6-9-month period.

Collaborating with Cross-function teams to develop the product features, in Microservices paradigm to leverage the SEO guidelines for the website for its Labs as well as Pharmacy business.

Mentored and Coached team members to improve tech and leadership skills, resulting in a 15% improvement in internal team satisfaction scores. New Technology usage roadmap also helped team to upskill themselves.

Achievements

Bug Bash
Championed software best practices including better planning, rigorous designs and implementation and resulting in a huge **30**% reduction of bugs and reliable on-time delivery of product features. Identified and addressed performance bottlenecks within the dev processes, resulting in a 20% increase in Code Quality.

Implemented Scalable (Common Stack) Microservices Infrastructure
With in the pre-order side, lead an initiative by architecting a microservices infrastructure that supported a rapid feature expansion with in the product and by moving to a common stack developer productivity increased by **35-40**% for any new implementation.
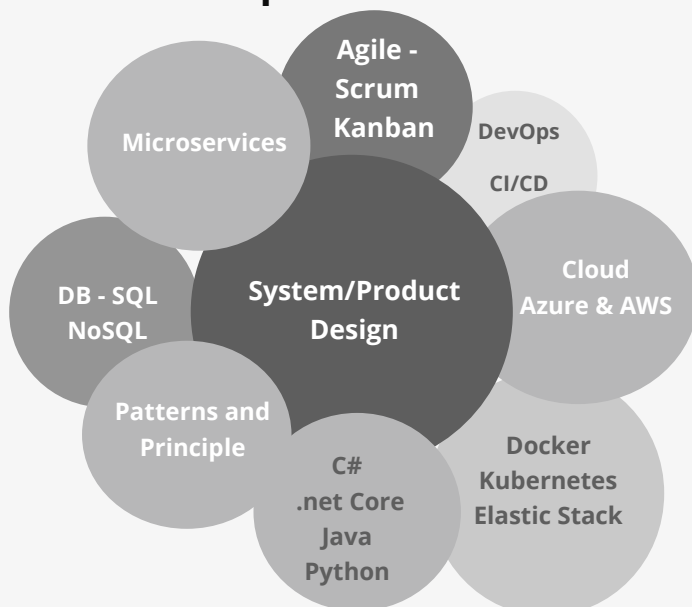
Optimized CT ~ CI/CD Pipelines
Optimized CI/CD processes that resulted in reduction of PR Churn times by **25**%, for code reviews (common mistakes) and the deployment failure by 30%, facilitating a smoother and more predictable release schedule, over a six-month period.

Enhanced Engineering On-boarding Process
Revitalized the onboarding experience for the engineers (Dev as well as QA), which contributed to a 40% decrease in time-to-productivity for the new hires. Introduced a mentorship program that improved team expertise and boosted staff retention rate by **15**%.

Employment History

Timeline (left to right):

- **Emoxsha Technologies** — SW Trainee — 1-Jul-09
- **Syscom Corporation** — SW Developer — 13-Nov-10
- **Datamatics Vista** — SSE — 27-Mar-12
- 9-Aug-13
- **Fiserv India** — SW Engg - Professional — 22-Dec-14
- **Synechron Technologies** — Associate Specialist — 5-May-16
- 17-Sep-17
- **Virtusa Polaris** — Lead Consultant — 30-Jan-19
- **Vichara Technologies** — Tech Lead — 13-Jun-20
- **DCI** — Lead SDE III
- **Tata 1mg** — Engineering Manager — 26-Oct-21

Prior Experiences

Technical Architect
- Lead a software team of 10-15 engineers developing Backend Serverless APIs, which served as the 'Heart' of the High Accuracy (up to 10cms) GPS Solution for Horizontal Data Drilling Job Mgmt. A mixture of microservices and components knits together in a workflow using Pub-Sub, broker Architecture. Serverless APIs to support CRUD operations for multiple NTRIP Providers into existing Customer Portal along with OAuth Integration and custom Serverless Secure Storage using Azure Key Vaults and Salts
- Played primary role in product architecture, a complete End-to-End Project Execution start from brainstorming the requirements, designing the solution and getting it delivered. Breaking down the workstreams, identifying the dependencies and calling it out early is my forte. I have helped team members to adapt SCRUM methodology for their needs eventually making them comprehend the need to adopt Continuous Integration and Continuous Delivery methods. Moreover, I have been identifying opportunities to optimize development process, defined tools and requirements.

Lead – Software Engineer
- Developed and implemented anew architecture, resulting in 30% reduction in system downtime and a 20% increase in system reliability.
- Preparation and execution of the conversion strategy migration of existing on-prem infra to Azure Cloud, which includes Tech as well as Business Dependencies. This started with driving PoC to having multiple Stakeholder Communication and then eventually applying CAP and o scale it up to 10000 requests per transactions
- Have worked in preparation/execution of Migration Approach from On Prem to Cloud and identifying the applications which will have compatibility issue in the new platform and propose alternative solution very early in Software Development.

Senior Software Engineer
- Integration of multiple Retail banking System, Data warehouse systems and Transaction Mgmt. Systems with multiple UI applications, consolidating it with monolith eventually moving to components-based services.
- Delivered several customer centric UI applications(frontends), the services that support them running(apis) and hybrid databases (SQL, NoSQL, Cache) products. Some of them were E-Commerce, Healthcare, Banking Transactions System and a flagship product, their Customer Portal, leveraging RBAC, ABAC, Cloud, Restful APIs following the One-UI principle for all of their customer needs, targeting zero to thousands of users gradually and scaling the systems to be able to be Fault Tolerant, Resilient and raise Operation Excellence and Performance Efficient

Education

2024-2025
IIM-K (Executive)

Advance Strategic Management Programme

2005-2009
FET RBS College, UPTU

Bachelors of Technology
Computer Science & Engineering

Out of the Box

Community Contribution
- Speaking for various conferences, meet-ups
- I like to write blogs, and short stories.

Rewards & Recognition
- C# Corner Most Valuable Professional
- C# Corner Gurgaon Chapter Lead

Domain Expertise

e-commerce – Healthcare Technologies, online shopping, Payments and Identity, Content Management System, Content SEO, ecommerce cart journey, product/sku catalog

RTK – Designed the workflow for correcting the co-ordinates using internal & external services, *GDPR Compliance*

BFSI – Investment Banking, Capital Markets, Bonds, Hedge Funds, Equities, Trades, Data Ware House Systems, *PCI-DSS Compliance*

Health - Hardware (MRI Machines), Insurances, *HIPPA Compliances*

Logistics – Designing Route Based System Using the navigation systems, Route Planning

Smart Cards – Smart Card Interaction for IO (Reading/Writing)