RAHUL LORE
SOFTWARE ARCHITECT

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Experienced Systems Architect with 20 years of expertise in designing scalable, cost-efficient, and highly available cloud-native solutions. Strong proficiency in .NET, Kafka, Redis, Kubernetes, and SQL Server. Passionate about exploring AI integration and emerging technologies to drive innovation. Over 10 years of experience in architecting and developing mission-critical healthcare systems, ensuring reliability, compliance, and real-time performance.

EDUCATION

Mumbai University, India   2005
Master's in Computer Application (MCA)

Mumbai University, India   2002
Bachelor of Computer Science

SKILLS

Programming Languages and Frameworks: C#, WPF, WCF, Asp.Net, JavaScript, Vue, Kafka, SignalR, Semantic Kernel (AI RAG)
Databases: MS Sql Server, NoSQL, Entity Framework
Cloud and DevOps: Azure Cloud, Docker, Kubernetes Minicube
Web Services: Web Api, REST
Development Tools: PowerShell, TFS, Git
Personal Skills: Problem Solving, Team Leader, Planning Strategically, Excellent Organizational Skills, Attention to Details

PROFESSIONAL EXPERIENCE

Talis Clinical LLC, Streetsboro, OH   Aug 2016 – Present
Software Architect
- Designed and implemented a cost-efficient backend system to stream live patient waveforms and vitals from medical devices to doctors' phones using a push-based approach. Leveraged Kafka and SignalR to enable a near real-time feed, eliminating the need for expensive cloud solutions like EventHub, resulting in significant cost savings for the company.
- Developed a state-of-the-art PDF generation framework for patient records, transforming beautifully designed Vue.js web pages into high-quality PDFs using a headless browser. Built with Vue.js, TypeScript, C#, and Entity Framework, this solution leveraged the team's existing expertise, enabling seamless adoption while delivering an innovative and cost-effective document generation system.
- Led the transformation of **Talis** from a traditional monolithic system to a **cloud-native** architecture.
- Created a system-wide logging framework in Log4Net, enabling proactive system failure identification and supporting the QA team in crafting effective test cases.
- Implemented a centralized logging platform with SEQ and Serilog across multiple applications to increase error tracking and reduce troubleshooting time by 25%.
- Evaluated proof of concept for new tools such as Citrix integration and WebView2 control, assessing their potential to improve existing software architectures.
- Composed PowerShell scripts to streamline the configuration process of complex local systems that accelerated the onboarding process for new employees.

CitiusTech Inc, Princeton, NJ   Aug 2012 – Aug 2016
Solution Architect
Client: GE
- Led the migration of an anesthesia platform from VB 6.0 to .NET, focusing on maintaining architectural integrity and achieving minimal bug rates post-transition.
- Configured an Awesomium wrapper in .NET to facilitate the integration of HTML5 UIs into existing VB 6.0 apps, significantly advancing system modernization.
- Orchestrated technical and architectural alignment across multiple Scrum teams, aligning the development efforts with the overarching system architecture.
- Maintained comprehensive architectural documentation, ensuring all project deliverables consistently adhered to the rigorous Definition of Done criteria.

Client: Home Care Home Base
- Directed the design and deployment of a key WinForms-based module for a healthcare app, resulting in enhanced system efficiency in patient data management.
- Utilized C# to refine the application's framework using the MVP pattern, effectively reducing code maintainability issues and enhancing system sustainability.
- Established a multithreaded architecture using C# Task library to enhance the responsiveness of the UI, markedly improving user interaction and satisfaction.
- Mentored a team of 15 junior developers, significantly boosting their productivity and project delivery efficiency through targeted hands-on training.
- Developed a .NET-based tool to simulate mobile clients, which streamlined load and security testing processes for the mobile module, resulting in improved testing efficiency and system robustness.

Client: Village Health (DaVita)
- Spearheaded the migration of existing applications from Silverlight to AngularJS, focusing on improving UI interactivity using advanced JavaScript techniques.
- Crafted RESTful services with ASP.NET Web API for secure data exchanges, optimizing communication between client-side and server-side components.
- Transferred intricate MVVM patterns from Silverlight into JavaScript libraries to maintain robust and scalable client-side architecture in AngularJS applications.

CapGemini Mumbai, India   Aug 2010 – Aug 2012
Senior Consultant
- Developed a .NET job framework to streamline deployments, significantly increasing system availability for continuous operation in large-scale IT environments.
- Customized ASP.NET controls to meet unique business requirements, notably enhancing user interface responsiveness and user interaction.
- Addressed application performance issues with SQL query optimization and strategic database indexing, which reduced load times and improved data processing.
- Authored a reusable .NET caching framework, speeding up object retrieval times and boosting application performance through efficient local caching.

Bank of America Merrill Lynch Mumbai, India   May 2007 – July 2010
Analyst
- Implemented a robust .Net-based Job framework designed to streamline the deployment processes, increasing operational efficiency and reducing time-to-market.
- Employed NUnit for TDD, focusing on maintaining high integration integrity between new and existing modules to ensure robust software performance.
- Devised pluggable components to boost system performance, utilizing Generics and multithreading techniques for efficient bulk updates and data processing.
- Constructed reusable .Net custom controls for accessing static data, such as employee and country information, from the CARTS database, elevating data retrieval.
- Designed a caching framework tailored for the CARTS database, aimed at resolving performance bottlenecks and improving data retrieval speed and efficiency.
- Managed a diverse international user base, tailoring solutions to regional business logic requirements, resulting in enhanced satisfaction and system adaptability.

REWARDS AND RECOGNITION
- Talis Clinical, Recognized for outstanding performer award in 2019.
- Capgemini, Won Project star award in March 2011.
- Bank of America, Part of Architecture team, Received ZEAL – ZEST Excellence, Achievement and Leadership award in Sep 2009.

VISA
- **Working on H1B Visa valid till Aug 2025**
- **Have approved I-140**