**Rekha Manian**

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 **System Architect- Engineering Manager- Technical Product Owner –Lead Engineer-**

 **Certified ScrumMaster – Mentor –Backend engineer**

**Summary**

Enterprise Solution Architect with over 14 years of leadership experience in designing innovative business solutions. Skilled in cloud computing, information management, application development, and virtualization. Demonstrated mastery in evaluating requirements for business application integration and service activation. Proven mentor and training with expertise in communicating across organizational levels and with cross-functional teams to drive shared vision and foster culture of excellence.

In my next role, I would like to continue building on my engineering leadership experience in large scale distributed systems.

**CORE COMPETENCIES**

* Software architecture, Design & Delivery.
* Software Engineering & Agile methodology.
* Object-Oriented Design & Coding.
* Team Leadership
* Project & Risk management.
* Cross-functional Leadership & Strategic planning.

**Technical Skill Sets**

* **Programming Languages**: C#, .NET, JavaScript, jQuery,HTML.
* **Technologies & Tools:** .Net Core 2.0, Web API, AWS Lambda, ASP.NET MVC, Windows applications.
* **Databases**: AWS Aurora- Postgres, No-SQL- Cassandra, SQL Server, Oracle, Solr, Elastic Search (ELK stack).
* **Cloud Platform**: AWS
* **Others**: Design Patterns, Microservices, RabbitMQ, Security framework- OAuth 2.0 and OpenID, VISIO, Git / Bit Bucket,CI/CD- Jenkins,NGINX, Middleware platform/ Enterprise Service Bus & Data structures and Algorithms.

**Experience**

**Verisk Analytics Inc.,** *San Francisco**April 2015 - Current*

***System******Architect / Software Engineering Manager*** *April 2019 - Current*

* Leader of multi-disciplinary teams (Dev, QA, DBA and DevOps, Production Support) and provided technical leadership to the agile development team of size 13 (SSE/SQA engineer-7, Lead QA -1, SE/ QA engineer- 5) as a System Architect and Technical Product Owner.
* Designed the application architecture, defined the functional workflow and data modelling of large scale distributed- IoT Telematics ingestion, batch and product applications in cloud environment- AWS.
* Solved the complex and challenging business problems (performance, availability, cost optimizations and security) involving high volume data ingestion (~30 million messages / day) and the real-time processing of Telematics data from Tier 1 automobile manufacturers with millisecond latency.
* Manage the performance and career development of team of 4- SSE, 1 SE, 2 consultants.
* Closely collaborated with cross function teams especially product management and program management on user requirements and delivery goals.
* Defined the interview process and worked closely with the recruiter.

 ***Lead Engineer*** *April 2015 - April 2019*

* Requirement analysis, design/architect, develop, test, maintenance, data modelling (No-SQL and RDBMS) and delivery of new features in mission critical telematics ingestion and product applications.
* Led the AWS migration of on-prem applications (7 applications) and worked with AWS enterprise solution architects and vendors.
* Led Dev, QA and DBA and DevOps teams at different geographic location, up to 10 total engineers at once.
* Experienced in hiring, mentoring, coaching and developing top engineering talent with a focus on increasing diverse perspectives.
* Mentored software engineers and oversaw their work throughout software development cycle.
* Proactively designed and directed multiple business value adds and best practices (example – robust production support system, QA automation testing best practices, real time traffic trend dashboards, automated reports and alerts) for the product improvements.
* Manage the performance and career development of team of 3 SSE, 2 SE and 2 consultants.

**Pacific Gas and Electric Company,** *San Francisco Sept**2014 - April 2015*

***Technical Lead (Consultant)***

* Primary lead for product requirement analysis, design, development and maintenance of regulatory department applications.
* Prepared and presented proof of concept for next generation applications.

**IBM Global Business Services,** *Bangalore**Aug 2008 - Aug 2014* ***Senior System Engineer***

* Technical lead responsible for managing coordination and collaboration among various mission critical supply chain and retail applications.
* Key interface / liaison between client stakeholders from different international locations and development team.
* Performed major role in requirement gathering, development (C#, SharePoint and Oracle/SQL Server database), estimation, system design and database design.
* Mentored the new developers in team and performed peer code reviews.

**awards/ certifications/ Accomplishments**

* Foundations of Leadership Excellence Program from Harvard Business School.
* Certified AWS Solution Architect (Associate) and Certified AWS Developer (Associate)
* Certified Cassandra Developer.
* Certified Scrum Master (Scrum Alliance License - 000290628)
* The Verisk Way to Go! Award Winner for the Exceptional Performance.
* Shell Star (Dedication and Exceptional Performance) Award at IBM Global Business Services.

 **Education and Training**

Bachelor of Technology in Electronics & Communication Engineering (2000 - 2004) from Cochin University of Science and Technology, India.