### Rajesh Sinha [sinha.rajeshkumar@gmail.com](mailto:sinha.rajeshkumar@gmail.com) 949-748-9811

Sr. Software Developer

**Professional Summary**

* Over **18 years** of experience in **IT Software Development Life Cycle (SDLC),** with a proven track record in managing and supporting complex IT application solutions.
* Seasoned **Software Architect** with a strong foundation in **Java, JSP, J2EE, and SQL,** hands-on experience in software development.
* Proficient in **Java Server Page (JSP)** and adept at leveraging **Service-Oriented Architecture (SOA)** principles to design and implement robust, scalable applications.
* Expertise in **Core Java** and a proven track record in Software Project Management, ensuring on-time, within-budget delivery of high-quality solutions.
* Specialized in overseeing the migration and successful implementation of **Product Lifecycle Management (PLM)** software, demonstrating proficiency in handling both greenfield projects and legacy systems.
* Expertise in coding and customizing Enovia applications, contributing significantly to the entire Software Development Life Cycle (SDLC) process - from requirements analysis, through architecture design, to successful launch and post-launch support.
* Demonstrated ability to collaborate seamlessly with **cross-functional** project teams, ensuring effective communication and coordination to achieve project objectives.
* Adept at working independently, showcasing a high degree of self-motivation and a proactive approach to enhance performance and deliver service excellence.
* Strong analytical and **problem-solving skills,** enabling the identification and resolution of complex technical challenges.
* Extensive knowledge of industry best practices and emerging technologies, enabling the design and implementation of innovative and scalable software solutions.
* Extensive experience in Agile Methodologies, enabling efficient project delivery through iterative development, continuous integration, and cross-functional collaboration.
* Well-versed in Unix environments, with a deep understanding of **PL/SQL** for effective database management and optimization.
* Expertise in Core Java and a proven track record in **Software Project Management**, ensuring on-time, within-budget delivery of high-quality solutions.
* In-depth knowledge of **Matrix One** and adept at Solution Architecture, driving the design and implementation of comprehensive software solutions.
* Strong foundation in software engineering principles, with a focus on creating reliable, maintainable, and high-performance applications.
* Proficient in Oracle database management, encompassing design, querying, optimization, and administration.
* Skilled in **XML** for **data interchange** and integration across platforms, enhancing interoperability and data-driven **decision-making**.
* Expertise in strategic and tactical planning, adeptly guiding projects through the entire Software Development Life Cycle (SDLC).
* Proven proficiency in Solutions Architecture, designing scalable and robust software solutions that align with organizational goals and technological capabilities.
* Extensive experience in **Agile Methodologies**, ensuring nimble development processes and facilitating rapid iterations for timely project delivery.
* Strong analytical skills in Requirements Analysis, translating business needs into technical specifications for effective software design and development.
* Collaborative team player with a demonstrated ability to foster effective **Team Collaboration**, enabling seamless communication and synergy among cross-functional teams.
* Accomplished in Software Project Management, orchestrating projects from initiation to completion, while adhering to **timelines, budgets, and quality standards**.
* Skilled in cultivating and managing **Stakeholder Relationships**, ensuring alignment of project outcomes with organizational objectives and client expectations.

**Technical Skills**

* **Programming Languages:** Java, C#, JavaScript
* **Web Development:** HTML, CSS
* **Database Management:** SQL (MySQL, PostgreSQL, Oracle)
* **Development Tools and IDEs:** Visual Studio Code, IntelliJ IDEA
* **Testing and QA:** Unit Testing, Integration Testing
* **APIs and Web Services:** RESTful APIs
* **Security:** Web Application Security (OWASP), Secure Coding Practices
* **Containerization and Orchestration**: Docker, Kubernetes
* **Integration/Continuous Deployment (CI/CD):** Jenkins, Travis CI, CircleCI

**Certifications**

* 3DEXPERIENCE Architecture Fundamentals R2017x
* 3DEXPERIENCE Configuration and Development Fundamentals
* Services Software Expert Certification

**Education**

**Bachelor of Engineering**, Computer Science and Engineering, (1997-2001), Berhampur University • India

**Work Experience**

**Client:** Celestica, Laguna Hills CA (Mar 2022 to Sept 2023)

**Software Architect**

**Key Responsibilities**

* Led a dedicated Data Migration team through the intricate process of transitioning a dual-source Enovia system to a singular, advanced 3DExperiance platform known as New Generation Product Life Cycle Management (NGPLM) for a contract manufacturing firm in the semiconductor and Aerospace & Defense domain.
* Successfully facilitated communication and coordination between the customer's business unit and the offshore Processia delivery team, ensuring seamless collaboration.
* Conducted in-depth analysis to comprehend and effectively prepare both the legacy data models and the new data model, ensuring a smooth transition between platforms.
* Orchestrated the development and implementation of a comprehensive mapping strategy, ensuring accurate data transfer between the legacy system and the NGPLM platform.
* Customized an in-house tool, Pro-migrate, to suit the specific needs of the project, enabling efficient extraction, transformation, and loading (ETL) of data during the migration process.
* Established a robust set of post-migration scripts, meticulously planned and executed within Jenkins, ensuring data integrity and completeness post-migration.
* Took ownership of the critical cut-over planning, meticulously preparing and executing the strategy for a seamless go-live transition to the NGPLM platform.
* Collaborate with stakeholders to understand business requirements and objectives, translating them into technical solutions and architectural designs.
* Design and oversee the implementation of software systems, ensuring they align with organizational goals, scalability needs, and technological capabilities.
* Evaluate and select appropriate technologies, frameworks, and platforms to achieve optimal system performance, security, and maintainability.
* Define and document architectural patterns, guidelines, and best practices to guide development teams in building high-quality, maintainable software.
* Lead and mentor development teams, providing technical guidance and ensuring adherence to architectural standards throughout the software development lifecycle.
* Conduct code reviews and architectural assessments to identify opportunities for improvement and ensure compliance with established design principles.
* Collaborate with product managers, business analysts, and other stakeholders to refine and prioritize system requirements, ensuring alignment with the architectural vision.
* Stay abreast of industry trends, emerging technologies, and best practices, and incorporate relevant innovations into architectural designs and development processes.
* Define and implement strategies for system integration, including APIs, microservices, and third-party services, to enable seamless communication between software components.
* Conduct performance analysis and optimization to ensure software solutions meet performance requirements and can scale to accommodate growing user bases.
* Participate in the evaluation and selection of third-party software components, libraries, and tools, ensuring they align with architectural standards and organizational needs.
* Collaborate with cross-functional teams, including QA/testing, DevOps, and operations, to ensure successful deployment, monitoring, and maintenance of software solutions.

**Wipro,** Irvine, CA (March 2021 to March 2022)

**Principal Consultant**

**Key Responsibilities**

* Spearheaded the successful revitalization of the struggling IP Management Platform (IMP) project, instigating a comprehensive overhaul that included optimizing sprint releases, implementing industry-best Enovia coding practices, and re-establishing customer confidence and trust.
* Acted as the primary liaison between customer business units and the Wipro delivery team, ensuring seamless communication and collaboration, and overseeing the entire project delivery lifecycle from initiation to launch.
* Maintained a pivotal role as the single point of approval for code release to production, showcasing a high level of accountability and expertise in the release process.
* Demonstrated exceptional leadership and technical expertise as the lead architect, orchestrating the platform upgrade from version 2016x to the latest 2019x, leveraging advanced Enovia capabilities.
* Engineered significant enhancements in end-user experience by designing and implementing a REST web service-based two-way integration with the application, particularly focused on Electronic Product Specification (EPS) files, streamlining operations and data exchange.
* Pioneered process improvements through the development of in-house tools, including a watermark generation system and a uniquification mechanism, effectively minimizing end users' efforts and optimizing workflow efficiency.
* Provide expert-level consulting services to clients, offering strategic guidance and technical expertise in software development, architecture, and implementation.
* Lead and oversee the design and development of complex software solutions, ensuring alignment with client requirements, industry best practices, and emerging technologies.
* Act as a trusted advisor to clients, analyzing their business needs, identifying opportunities for process improvement, and recommending innovative software solutions to drive efficiency and competitiveness.
* Collaborate closely with cross-functional teams, including developers, architects, project managers, and business stakeholders, to deliver high-quality software solutions on time and within budget.
* Conduct thorough assessments of existing systems and processes, identifying areas for optimization, modernization, and scalability enhancement.
* Develop and present comprehensive technical proposals, project plans, and roadmaps to clients, outlining the scope, objectives, and deliverables of software consulting engagements.
* Provide mentorship and guidance to junior consultants and development teams, fostering professional growth and ensuring adherence to industry best practices.
* Stay up-to-date with industry trends, emerging technologies, and best practices, leveraging this knowledge to enhance the quality and effectiveness of consulting services.
* Collaborate with sales and business development teams to identify new business opportunities, participate in client presentations, and contribute to the development of proposals and statements of work.
* Serve as a subject matter expert in specific technologies, frameworks, and domains, leveraging deep technical knowledge to address complex client challenges.
* Actively engage with clients throughout the software development lifecycle, from initial requirements gathering and design, through development, testing, and deployment, to ensure successful project delivery.
* Establish and maintain strong client relationships, acting as a primary point of contact for technical and strategic discussions, and ensuring client satisfaction with consulting services.

**Wipro,** Bangalore, India ( Mar 2014 to Mar 2021)

**Lead Consultant**

**Key Responsibilities**

* Led as an Offshore Test Lead, overseeing a critical project involving the upgrade of the Enovia PLM platform from the prior version (2011x) to the 2017x version. Additionally, successfully managed the migration of a separate stand-alone Enovia application, Material Compliance Center (MCC), into a unified application.
* Spearheaded the preparation and execution of comprehensive functionality testing, which included the creation of test cases for both new and existing functionalities, ensuring the integrity and performance of the system.
* Facilitated effective communication and collaboration by conducting meetings with the Wipro team, third-party vendor, and the customer's business unit, ensuring all stakeholders were aligned with project objectives and timelines.
* Demonstrated expertise by providing thorough training to all team members on the Enovia application and its customization, equipping them with the necessary skills to contribute effectively to the project.
* Played a pivotal role in the Enovia PLM Platform Upgrade, achieving a record number of identified bugs with an impressively low rate of rejections. This included redesigning a critical gap in MCC in collaboration with the third-party vendor, ultimately meeting the release date.
* Collaborated closely with the third-party vendor to develop and streamline a working and reporting model early in the project, significantly enhancing delivery efficiency and reporting accuracy, all while maintaining a conflict-free working environment.
* Led the design of a comprehensive schema for the Advanced Material Search application at Halliburton, encompassing the creation of requirements and solution documents, as well as high-level design (HLD).
* Managed an eight-member team responsible for testing and delivering major functionalities, ensuring the system met the specified requirements and performance benchmarks.
* Personally developed the part library management functionality, showcasing a hands-on approach to technical problem-solving and system enhancement.
* Orchestrated the coordination and execution of a meticulous testing plan, guaranteeing the integrity and accuracy of the system's functionalities.
* Played a pivotal role as a Module Lead on a 10-member team tasked with replacing the outdated PDM (Matrix Product Data Management) application utilized by Nokia Siemens network. The project involved implementing a new solution that encompassed critical functional areas including collaboration, component and change management, and release management.
* Demonstrated strong organizational skills by meticulously planning and allocating tasks for the engineering part management and change management modules. This included the creation of detailed documentation such as requirements, solutions, and High-Level Design (HLD) documents.
* Oversaw the comprehensive testing process by strategically planning and executing the testing plan, ensuring that all components and functionalities of the new solution met the specified requirements and performance benchmarks.
* Led the User Acceptance Testing (UAT) phase, taking charge of workshops at the UAT testing site in Finland. Collaborated closely with key business users to validate that the new solution met their needs and expectations, ultimately ensuring an on-time project release.

**IBM,** Bangalore, India (Oct. 2007 to March 2014)

**Application Consultant**

**Key Responsibilities**

* Spearheaded the creation of comprehensive documentation including requirements, solution, and High-Level Design (HLD) for SPACE, the core PLM application at Sony Mobile. This application was pivotal in managing crucial design, part, supplier, and operations data as the master repository.
* Demonstrated exceptional skills in ensuring seamless integration of the master repository with various other critical Sony Mobile applications, including BASE, SAP, RDP, CT-Apps, CSPN, JIBE, and HPD. This integration enhanced data flow and accessibility across the ecosystem.
* Played a pivotal role in a critical project involving the replacement of a legacy system (Product Manager) with an Enovia-based application. This included conducting a comprehensive analysis of the legacy system's functionality on the client's site.
* Mapped existing processes to the new Project Manager Replacement (PMR) system, and subsequently, prepared detailed requirements, solutions, and High-Level Design (HLD) documentation. Additionally, contributed to the formation of a skilled and cohesive project development team.
* Coordinated the successful launch of the PMR application at the client site, which encompassed overseeing User Acceptance Testing (UAT), collaborating closely with the software vendor to resolve any identified bugs, and ensuring the project met its scheduled release timeframe.

**Geometric Limited**, Bangalore, India (Mar 2006 – Aug 2007)

**Software Engineer**

**Key Responsibilities**

* Collaborated with cross-functional teams to gather and analyze software requirements, ensuring alignment with project goals and client needs.
* Designed, coded, tested, and debugged software applications, adhering to industry best practices and coding standards.
* Developed and maintained software documentation, including design specifications, user manuals, and technical reports.
* Implemented software version control and participated in code reviews to maintain code quality and ensure team-wide understanding of project components.
* Employed software testing methodologies, including unit testing and integration testing, to identify and address bugs and ensure software reliability.
* Developed and maintained software applications using programming languages such as Java, C#, and JavaScript, ensuring code quality and adherence to best practices.
* Designed and implemented user interfaces using HTML and CSS for seamless web application development.
* Managed and optimized databases, utilizing SQL on platforms including MySQL, PostgreSQL, and Oracle, ensuring efficient data retrieval and storage.
* Utilized integrated development environments (IDEs) like Visual Studio Code and IntelliJ IDEA to facilitate efficient coding, debugging, and testing.
* Conducted thorough unit testing and integration testing to identify and rectify bugs, ensuring the reliability and stability of software applications.
* Designed, implemented, and consumed RESTful APIs to enable seamless communication between different components of software systems.
* Ensured web application security by adhering to OWASP best practices and implementing secure coding practices, safeguarding against potential vulnerabilities and threats.
* Utilized containerization technologies like Docker and orchestration platforms like Kubernetes to optimize deployment and scalability of software applications.
* Implemented and managed Continuous Integration/Continuous Deployment (CI/CD) pipelines using tools such as Jenkins, Travis CI, and CircleCI, enabling automated testing and deployment processes for faster delivery of software solutions.
* Contributed to the evaluation and adoption of new technologies, frameworks, and tools to enhance software development processes and capabilities.

**Infinite Computer Solutions,** Secunderabad, India (Aug 2004 – Mar 2006)

**Software Engineer**

**Key Responsibilities**

* Developed key features for Engineering Central and Application Exchange Framework for eMatrix.
* Developed and maintained software applications using programming languages such as Java, C#, and JavaScript, ensuring adherence to coding standards and best practices.
* Designed and implemented user interfaces and web components using HTML and CSS, creating visually appealing and responsive web applications.
* Managed and optimized databases, including SQL databases like MySQL, PostgreSQL, and Oracle, to efficiently store and retrieve data for applications.
* Utilized development tools and Integrated Development Environments (IDEs) such as Visual Studio Code and IntelliJ IDEA to streamline the development process and enhance code quality.
* Conducted comprehensive testing, including unit testing and integration testing, to identify and address software defects, ensuring the reliability and robustness of applications.
* Worked with RESTful APIs to facilitate data exchange and communication between various software components and external services.
* Implemented security measures in software development, including knowledge of Web Application Security (OWASP) and adherence to secure coding practices to protect against vulnerabilities and threats.
* Utilized containerization technologies like Docker and orchestration tools like Kubernetes to create, deploy, and manage scalable and portable software applications.
* Contributed to the integration and continuous deployment (CI/CD) process using tools such as Jenkins, Travis CI, and CircleCI, automating software builds, testing, and deployment for efficient and reliable software delivery.