

Summary

Innovative IT professional and Ph.D. researcher with over 10 years of extensive experience in software development and project management. I specialize in designing, developing, and deploying scalable web and mobile applications using technologies such as Java/J2EE, Spring Framework, REST APIs, and UI/UX design. I excel at leveraging OOP concepts and multi-tier enterprise architectures to deliver robust and user-friendly solutions across industries, including healthcare, finance, retail, and e-commerce.

I have strong expertise in database management, with proficiency in MySQL, Oracle, MSSQL Server, and PostgreSQL, as well as practical knowledge of emerging platforms like Cassandra. My scripting experience includes Shell, Perl, and Python, and I am adept at utilizing tools and frameworks like Hibernate, Spring Boot, Apache Solr, Maven, and Jenkins. As a results-driven problem solver, I consistently deliver efficient and innovative solutions while optimizing business operations.

Recently, I have expanded my focus to include Agentic AI technologies, exploring their potential to revolutionize business processes and enhance automation. With a strong passion for innovation and a commitment to excellence, I bridge the gap between technical expertise and strategic vision, driving meaningful impact in the digital landscape.

Education

PhD in Information Technology, Class '25

University of the Cumberlands, KY, GPA: 3.23

Masters in information technology & management, Class '19

Campbellsville University, KY, GPA: 3.4

Masters in computer science, Class '16

Silicon Valley University, CA, GPA: 3.78

Bachelors in computer science, Class '13

Lords Institute of Engineering & Technology, Hyderabad, India, Score: 78%

Experience

Walmart, Sunnyvale, CA

Jun '22 – Present

Role: Senior, Systems and Infrastructure Engineer

As a Senior Systems and Infrastructure Engineer at Walmart Global Tech, I have been deeply involved in driving stability and efficiency within the Marketplace Seller Journey. The primary objective of my work has been to ensure the health of applications and systems surpass defined

thresholds, empowering sellers to achieve self-sufficiency through automation and optimized support turnaround times.

One of my key initiatives was leading the Seller Support Journey and spearheading the "Ticket Reduction" project, where I systematically identified patterns in reported seller issues and proposed strategic solutions. This involved taking product concerns to the respective teams for evaluation and integration into the roadmap, resulting in enhanced efficiency and reduced manual interventions.

In addition, I developed and implemented a critical internal tool deployed on Walmart's in-house cloud platform. This Spring-based service-oriented application focuses on automating workflows, optimizing processes, and ensuring seamless operations for system stability and reliability. The tool has played an essential role in improving productivity and supporting the team's overall goals.

I also championed the adoption of Generative AI capabilities within the team by leveraging Large Language Models (LLMs) such as ChatGPT-4o and LLaMA. This innovation has driven significant advancements in bug recognition, pattern identification, and preliminary analysis, enhancing our support model's efficiency. Furthermore, we began implementing Agentic AI technologies to improve problem-solving capabilities and provide more robust application support for end consumers.

Over the last year, I led the onboarding of the LocalFinds program offered by Marketplace, working closely with the team during its hypercare phase. I identified and resolved numerous bugs during the product's soft launch, ensuring system stability and delivering operational excellence. My contributions have established a strong foundation for the program's continued success and control over its system stability.

Throughout my career at Walmart, I have taken on leadership roles, mentoring team members, and fostering a culture of growth and self-sufficiency. Despite not being formally in a managerial position, I have consistently provided solution-oriented guidance for application deliverables, ensuring comprehensive and timely outcomes. My achievements, including multiple Excellence Awards and recognition from stakeholders, reflect my dedication to driving innovation and excellence within the organization.

R3 Technology Inc, Client: GlobalLogic, San Jose, CA
Role: Integration Specialist

Feb '22 – Jun '22

As an Integration Specialist, I contributed to the successful integration of clients into the iCIMS platform, a comprehensive talent procurement application designed for application tracking, candidate engagement, and streamlining the hiring process. My primary responsibility was to establish and refine the integration process for a backlog of clients, ensuring a seamless transition and alignment with business objectives.

Additionally, I worked on creating technical stories to support new platform improvements, especially focused on enhancing onboarding workflows for new clients. By leveraging tools such as Spring MVC and Java, I implemented efficient workflows and optimized the integration pipeline, reducing delays and enhancing system reliability. Utilizing JIRA and Confluence, I maintained

detailed documentation, facilitated collaboration across teams, and ensured transparency throughout the integration lifecycle.

My work on the iCIMS platform significantly improved the onboarding experience for clients, contributed to the platform's operational excellence, and supported its mission to drive innovation in talent management.

Walmart, Sunnyvale, CA

Jun '21 – Feb' 22

Role: Senior, Systems and Infrastructure Engineer

As a Senior, Systems and Infrastructure Engineer, I specialized in leveraging Agile methodologies to analyze user requirements, envision system features, and design robust workflows to address identified trends in issue patterns. By utilizing Spring MVC, I developed scripts and APIs to automate manual tasks, streamlining daily operations and enabling faster resolution of user-based issues. My efforts directly supported the optimization of workflows and enhanced productivity for the support teams.

I played a crucial role in collaborating with solution providers associated with Walmart, guiding them through the API technical integration process, validating application performance, and approving their readiness for deployment. Additionally, I facilitated the transition of solution providers to the new OAuth token-based authentication system, ensuring compliance with modern security standards.

My contributions also extended to integrating web applications with partners by working on APIs and monitoring the onboarding of strategic partners. By employing technologies like Spring MVC, Java, Apache Solr, and JSP, I created scripts and report-generating applications to provide valuable insights into system operations and partner onboarding processes.

Throughout this role, I utilized a diverse technical stack that included tools and frameworks such as REST APIs, Shell scripting, Hadoop, Swagger, Postman, MySQL, Hibernate, Cassandra, JSON, and JavaScript. My comprehensive approach to problem-solving and automation significantly improved system reliability and operational efficiency.

Cognizant Technology Solutions, Client: Walmart Labs, Sunnyvale, CA

Oct '18 – Jun '21

Role: API Integration Engineer

As an API Integration Engineer, I developed a utility designed to track and trigger the performance metrics of new partners onboarding onto the platform. This tool systematically gathered key performance indicators, monitored onboarding progress, and generated daily reports, ensuring transparency and seamless integration. By providing consistent insights into partner activity, the utility facilitated data-driven decision-making and optimization of the onboarding process.

Additionally, I played a critical role in supporting new sellers onboarding onto Walmart's Marketplace platform, assisting with integration challenges and troubleshooting onboarding-related issues. By analyzing recurring patterns in seller concerns, I provided actionable insights to engineering and product teams, influencing system enhancements and ensuring a smoother

onboarding experience. My contributions helped refine workflows, improve platform usability, and drive operational efficiency.

Throughout this role, I leveraged a diverse technical stack, including Spring MVC, Java, REST APIs, Shell scripting, Hadoop, Apache Solr, JSP, Swagger, Postman, MySQL, Hibernate, Cassandra, JSON, jQuery, and JavaScript, to build scalable, high-performance solutions that enhanced system reliability and supported business growth.

Smartworks LLC, Client: AIG, Woodland Hills, CA
Role: Java Developer

Sep '18 – Oct '18

As a Java Developer, I played a key role in modernizing legacy applications by migrating them from older versions of Java and Spring to more advanced frameworks, including Java 1.8 and Spring 4.x. This initiative aims to enhance system stability, improve performance, and align applications with evolving technological standards.

I collaborated with the team to structure the migration process, assisting in defining user stories and technical stories that outlined the transition strategy. By meticulously planning the migration activities, I ensured minimal disruption to existing workflows while optimizing system functionality.

Throughout this project, I worked within a robust technical environment, utilizing Spring MVC, Java, JSP, MySQL, Cassandra, and Git to execute migration tasks effectively. Leveraging Atlassian suite tools such as JIRA and Confluence, I facilitated seamless collaboration, tracked progress, and maintained comprehensive documentation to streamline the upgrade process.

Srinav Inc, Client: Walmart Labs, Bentonville, AR
Role: API Integration Engineer

May '18 – Sep '18

As an API Integration Engineer, I developed a utility designed to track and trigger the performance metrics of new partners onboarding onto the platform. This tool systematically gathered key performance indicators, monitored onboarding progress, and generated daily reports, ensuring transparency and seamless integration. By providing consistent insights into partner activity, the utility facilitated data-driven decision-making and optimization of the onboarding process.

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System Architect Information Technology, Santa Clara, CA
Role: Application Developer & Release Engineer

Mar '17 – Sep '17

As a Software Engineer, I contributed to the development and enhancement of cloud cybersecurity solutions, working on projects such as Cyber Forza and SAI V-Connect to advance secure communications and product innovation. My responsibilities spanned backend development for V-Connect, a video teleconference application, and UI/Release Engineering for the cybersecurity platform and company websites.

I managed multiple projects, overseeing their release cycles while ensuring seamless deployment and maintenance of product features. I also handled the continuous development and upkeep of the company's and product's websites, ensuring performance optimization and usability. In addition to engineering efforts, I played a crucial role in requirement gathering, deriving functional and system specifications from business needs for mobile and client-based applications. I was actively involved in UI/UX design discussions, creating mockups using Adobe XD, and developing web and video conferencing application designs using Adobe Illustrator, Creative Cloud Suite, and Inkscape.

I developed a complete mobile application using Java-based Android SDK, integrating Firebase real-time database, notifications, and Google Maps API to enhance user experience and system functionality. Additionally, I built robust backend services for the video teleconference application using Spring, JAX-RS, Hibernate, and PHP, ensuring seamless data processing and communication flow.

Further, I was responsible for setting up a CI/CD pipeline using Jenkins and CD tools while managing License4j-based licensing servers for the company's Forza OS platform. I implemented Spring Security for authentication and authorization, reinforcing security protocols across applications.

The technological environment I worked in included Spring, Java, Android, JavaScript, Hibernate, Firebase, Google Maps API, SQLite, REST API, Bootstrap, PHP, FreeBSD, Shell scripting, and License4j, all leveraged to create scalable, secure, and high-performing software solutions.

Hexar IT Solutions, San Jose, CA
Role: Software Developer

Jan '17 – Mar '17

As a Software Engineer, I worked on evolving software programming methodologies, incorporating practical applications of Machine Learning to enhance system functionality and performance. My role encompassed participating in all phases of the software development life cycle, including analysis, design, development, testing, implementation, and maintenance, ensuring the delivery of high-quality and efficient solutions.

I focused on developing, validating, and maintaining a diverse range of APIs and web services, leveraging technologies such as Java, Spring MVC, REST API, JavaScript, Bootstrap, and HTML to create seamless integrations and optimize system interactions. Additionally, I designed and

maintained SQL queries to retrieve test data, performing data validation and testing to ensure accuracy, consistency, and reliability in application performance.

My technical expertise and problem-solving approach allowed me to contribute to scalable and efficient software solutions, integrating innovative technologies to drive system enhancements and operational success.

Contrive Solutions, San Jose, CA

Oct '16 – Dec '16

Role: Software Developer

As a Software Engineer, I actively participated in all phases of the software development life cycle, contributing to the analysis, design, development, testing, implementation, and maintenance of scalable solutions. My focus was on building automated functionalities designed for seamless deployment across web and mobile platforms, enhancing efficiency and user experience.

I also played a key role in risk identification and issue analysis, ensuring timely reporting to project leadership. By proactively assessing challenges, I helped mitigate potential risks and contributed to smoother project execution.

Throughout this role, I leveraged Java, Spring MVC, Hibernate, Oracle, SQL, JDBC, and JSP to develop, optimize, and maintain high-performance applications, ensuring reliability and operational excellence.

Silicon Valley University San Jose, CA

May '16 – Aug '16

Role: Teaching Assistant

As a Teaching Assistant for the OpenStack Cloud Architecture course, I played a vital role in supporting students with their lab coursework, ensuring they gained practical expertise in cloud computing concepts and tools. I also evaluated their assignments, providing constructive feedback to enhance their understanding and application of the subject matter. My contributions fostered a collaborative learning environment and reinforced the academic objectives of the course.

Infosys Ltd, Client: Visa Inc, Hyderabad, India

Dec '14 – Jul '15

Role: Systems Engineer

As a Software Engineer, I contributed to enhancing the risk management process for the core console by designing and implementing new functionalities using Java/J2EE, Spring, and Hibernate. In addition to development, I was responsible for the maintenance and optimization of existing systems to ensure stability and efficiency.

I developed RESTful APIs using Java, JAX-RS, and Spring, enabling seamless communication between applications and improving system interoperability. Additionally, I played a key role in database management, performing SQL queries, PL/SQL programming, and handling stored procedures, functions, and packages to maintain data integrity and efficiency.

On the front-end, I enhanced UI screens for end-users and Visa admin staff by utilizing JavaScript, jQuery, and Bootstrap, improving user experience and interface responsiveness. My work ensured that the application remained intuitive, accessible, and aligned with business objectives.

Throughout this role, I leveraged a robust technical stack including Spring MVC, Hibernate, Oracle, SQL, JDBC, REST API, and JavaScript, integrating innovative solutions to drive operational improvements and system reliability.

Tripod Technologies Pvt Ltd, Hyderabad, India

Aug '13 – Dec '14

Projects: Gleason Technologies, eureQa

Role: Systems Engineer

As a Junior Software Engineer at a product-based company specializing in business consulting, technology solutions, and financial services, I contributed to multiple projects, including Gleason Technologies and eureQa, while also enhancing engineering productivity. My role spans across mobile application development, CI/CD pipeline optimization, and server tool administration.

For Gleason Technologies, I developed and deployed mobile applications using Android SDK and Java, implementing robust functionalities that catered to client-specific needs. I also designed test cases and resolved bugs, ensuring seamless user acceptance testing (UAT) and reliable application performance.

In the eureQa project, I played a critical role in defining and approving build and deployment processes across the organization. I established a structured CI/CD pipeline leveraging tools like Hudson, Maven, Bitbucket, JIRA, and Archiva, ensuring efficient and streamlined project delivery. Additionally, I administered multiple server tools, including Sonar, Jenkins, and Confluence, and developed custom shell scripts to bridge gaps in the build and deployment processes, further enhancing operational efficiency.

Leveraging a diverse technical stack that included Java JDK 1.6, Android SDK, SQLite, JBOSS, GIT, Shell Scripting, and Jenkins, I drove innovative solutions, maintained operational excellence, and contributed to the successful execution of engineering projects