Rajkumar V

Director - Software Engineering

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Overview

I am a dedicated and experienced director of software engineering at ADF Data Science, responsible for overseeing the end-to-end software delivery process, including architecture, design, development, and management. With a focus on addressing complex issues and providing cutting-edge technology-based financial solutions, I strive to deliver exceptional results.

I am an outcome-oriented technology leader with over 14 years of experience, known for my ability to lead large teams and drive efficient output in dynamic environments. My track record includes architecting and delivering highly scalable systems, building and scaling engineering teams from scratch, and achieving business objectives. My expertise spans software development, product engineering, data science, robotic process automation (RPA), and DevOps.

I am driven by a passion for FinTech solutioning, leveraging the latest market trends such as generative AI and machine learning. Throughout my career, I have successfully led diverse technology teams consisting of 100+ engineers, enabling me to deliver transformative solutions within the FinTech industry.

Education

Bachelor of engineering – Computer Science & Engineering

VTU, Bangalore, KA
2006 – 2010

Key Skills

- Technical Expertise (Python, Java, Django, React, NodeJS)
- Leadership and Team Management
- Strategic Planning and Decision Making
- Process Optimization and Six Sigma
- Agile Methodologies
- Mentoring and Coaching
- Continuous Improvement
- Results-Driven Approach
- Data-Driven Decision Making
- Quality Assurance and Software Testing
- DevOps and CI/CD
- Financial Technology (FinTech) Solutions
- Market Trend Analysis and Technology Research

Experience

Director, Product Engineering, Applied data finance.
April 2021 - present
- Led a team of 100+ developers and testers in delivering high-performance applications for a US-based consumer lending company, utilizing technologies such as Python/Django, Java, MySQL, and AngularJS.
- Responsible for managing the technology roadmap, ensuring alignment with business objectives.
- Implemented industry-wide best practices across the team, promoting clean, efficient, and maintainable code.
- Collaborate closely with the US team and project management, fostering effective communication and coordination.
- Implemented well-architected and well-documented code at a fast pace, leveraging DevOps automated workflows using tools such as Jenkins Pipeline, Docker, Kubernetes, and Ansible.
- Fostered a culture of innovation and collaboration, encouraging the team to explore new technologies and methodologies to drive continuous improvement.
- Managed non-functional requirements and prioritized software quality, adhering to industry standards and best practices.
- Set the technical vision and direction for the team, guiding them towards successful project delivery and continuous improvement.
- Utilized strong problem-solving skills to analyze production issues and develop effective solutions, ensuring smooth operations and minimizing disruptions.

Engineering Manager, Product Engineering, Applied data finance.
April 2020 - April 2021
- Led a team of 100+ developers and testers and managed multiple engineering team in the Product Engineering department.
- Developed and executed the technical roadmap, aligning it with the company's strategic objectives and business requirements.
- Recruited, onboarded, and trained team members, ensuring the right skills and expertise were in place to meet project demands.
- Collaborated closely with cross-functional teams, including product management and quality assurance, to ensure successful project outcomes.
- Managed project timelines, resources, and budgets to ensure timely and cost-effective delivery of high-quality software solutions.
- Implemented best practices and processes to enhance productivity, quality, and efficiency within the engineering team.
- Provided technical guidance and mentorship to team members, promoting their professional growth and development.
- Actively participated in performance evaluations and goal setting, recognizing and addressing areas for improvement.

- Maintained strong relationships with stakeholders, fostering open communication and collaboration to address project challenges and meet expectations.
- Stayed abreast of industry trends and emerging technologies, leveraging them to drive innovation and stay ahead of the competition.
- Acted as a liaison between the engineering team and senior management, providing updates on project status, risks, and opportunities.

Engineering Manager, Tools and Solutions Development, Applied data finance. April 2020 - April 2021

- Led a team of 50+ developers and testers in the Tools and Solution team, focusing on Robotic Process Automation (RPA) and delivering solutions that exceeded end-user and business requirements.
- Set the technical vision and direction for the team, guiding them towards successful project delivery and continuous improvement.
- Recruited and trained team members, fostering a skilled and motivated workforce, and implemented industry best practices to drive efficiency and productivity.
- Collaborated closely with the US team on business requirements and problem-solving, delivering innovative solutions to address organizational challenges.
- Supported high-end, complex problem management, analyzing production issues and developing workarounds, solutions, and resolutions.
- Assisted in recruiting efforts and supported the setup of training plans for the team, actively contributing to team development and fostering a learning culture.

Assistant Manager, Tools and Solutions Development, Applied data finance. April 2018 - April 2020

- Led a team of 40 professionals, providing guidance and support to drive the development and implementation of innovative tools and solutions.
- Build two sprint teams from scratch and managed resources effectively, allocating tasks and responsibilities to team members based on their strengths and expertise.
- Defined the SOP for newly formed team, worked closely with stakeholders to understand their needs and provide effective solutions that met their requirements to build the new application.
- Stayed updated with the latest technology trends and tools in the industry, leveraging them to drive innovation and improve productivity.
- Actively participated in performance evaluations and professional development initiatives to support the growth of team members.
- Contributed to process improvement initiatives, identifying bottlenecks and implementing strategies to enhance efficiency.

- Collaborated with senior management to align team objectives with organizational goals and contribute to the overall success of the company.

Assistant Manager, Technology Operations, Applied data finance.
April 2017 - April 2018
- Managed a team of 30 professionals, overseeing day-to-day technology operations and ensuring smooth functioning of core systems.
- Monitored system performance and conducted regular maintenance activities to minimize downtime and optimize efficiency.
- Developed and enforced application monitoring policies and procedures to ensure data security, compliance, and operational continuity.
- Collaborated with cross-functional teams to identify technology requirements and implement solutions that aligned with business needs.
- Led operational projects and initiatives, coordinating with stakeholders, vendors, and internal teams to achieve project objectives within set timelines.
- Conducted risk assessments and implemented appropriate controls to mitigate potential security threats and vulnerabilities.
- Implemented IT service management practices, including incident management, problem management, and change management.
- Conducted regular audits to assess IT infrastructure and identify areas for improvement, implementing necessary upgrades and enhancements.
- Stayed updated with emerging technologies and industry trends, evaluating their potential for improving operational efficiency and driving innovation.

Tech Lead, Technology Operations, Applied data finance.
April 2016 - April 2017
- Led a team of 20 professionals, providing technical guidance, mentoring, and support to ensure efficient technology operations.
- Designed and implemented IT processes and procedures, including incident management, problem management, and change management.
- Conducted regular system audits and performance monitoring to identify and resolve issues, ensuring optimal system performance.
- Provided technical expertise and support to end users, addressing their queries and troubleshooting system and application issues.
- Worked closely with vendors and service providers to manage technology assets, licenses, and contracts, ensuring timely renewal and compliance.
- Implemented IT security measures, including access controls, data backup, and disaster recovery plans, to safeguard organizational data.
- Conducted training sessions and knowledge sharing initiatives to enhance the technical skills and expertise of team members.
- Managed technology projects, ensuring adherence to timelines, budgets, and quality standards.

- Fostered a collaborative and high-performance culture within the team, promoting teamwork, innovation, and continuous improvement.
- Supported the growth and development of team members through performance evaluations, coaching, and career development initiatives.

Sr software Engineer, Technology Operations, Applied data finance.
October 2015 - April 2016

- Played a key role in the development and maintenance of critical software systems and applications to support business operations.
- Collaborated with cross-functional teams to gather requirements, design solutions, and implement software enhancements.
- Developed efficient and high-quality code using programming languages such as Python, Java, and JavaScript.
- Conducted thorough testing and debugging of software modules to ensure functionality, reliability, and adherence to specifications.
- Assisted in the deployment and maintenance of software systems in production environments, ensuring smooth and uninterrupted operations.
- Actively participated in team meetings, discussions, and brainstorming sessions to contribute ideas and insights for system improvements.
- Acted as a mentor and provided guidance to junior team members, supporting their growth and development in software engineering.
- Demonstrated a strong sense of accountability, ownership, and professionalism in all aspects of software engineering work.

Sr Operation Engineer (DEV OPS), GAIN Credits (Formally: Global Analytics)
March 2012 - October 2015

- Possessed expertise in Python programming, shell scripting, RESTful APIs, and MySQL database management, leveraging these skills to drive successful projects.
- Developed automation solutions for batch processes, specifically focused on Payout and file exchange with merchants, enhancing efficiency and accuracy within the Loan Management System (LMS) system.
- Demonstrated proficiency in DevOps tools, including Jenkins Pipeline, Ansible, and Docker, ensuring streamlined development, deployment, and maintenance processes.
- Played a key role in business process automation and report generation, contributing to improved operational efficiency and data-driven decision-making.
- Analyzed causes of production problems, identifying areas for improvement, and implementing effective fixes to enhance system stability and performance.
- Assisted in optimizing SQL query performance and MySQL databases by analyzing queries, identifying bottlenecks, implementing indexing

strategies, optimizing configurations and structures, and providing recommendations for upgrades.

- Employed troubleshooting and diagnostic skills to address system issues promptly and effectively, ensuring minimal disruption to operations.
- Designed Test Plans and tracked defects, contributing to the overall quality and reliability of software deliverables.

Software Engineer, Energica ADSL
July 2010 - March 2012

- Joined as a fresher, gaining valuable experience in Python, Rest API, and MySQL.
- Developed automated solutions for Contractual Obligation Management and Reporting, streamlining the process of managing contractual obligations and generating reports.
- Utilized Python to create efficient solutions, enhancing the overall productivity and accuracy of the contractual management system.
- Contributed to projects focused on Invoice Extraction and Spend Analytics, leveraging RESTful APIs and MySQL to extract data from invoices and perform data analysis to uncover spending patterns and provide valuable insights.
- Played a role in digitalization initiatives, implementing OCR conversion to transform physical documents into digital formats for improved accessibility and streamlined document management.
- Utilized Python and RESTful APIs to develop automated solutions, facilitating the transition to a more efficient and digital workflow.

Communication

- Effectively communicate with cross-functional teams, including developers, designers, and stakeholders, to ensure clear understanding of project requirements and deliverables.
- Facilitate productive meetings by setting agendas, keeping discussions focused, and encouraging active participation from team members.
- Deliver presentations to senior management and clients, effectively conveying complex technical concepts in a clear and concise manner.
- Foster open and transparent communication channels, promoting collaboration and knowledge sharing among team members.
- Provide regular updates on project progress, milestones, and risks to stakeholders, ensuring timely and accurate information dissemination.
- Actively listen to feedback and concerns from team members, clients, and stakeholders, addressing them in a respectful and constructive manner.
- Develop and maintain strong working relationships with team members and stakeholders, fostering a positive and collaborative work environment.

- Actively seek and provide feedback to promote continuous improvement in communication effectiveness.
- Collaborate with geographically distributed teams, utilizing virtual communication tools and techniques to ensure effective collaboration and coordination.
- Stay updated on industry trends and emerging technologies through participation in conferences, webinars, and professional networking events, sharing relevant insights with the team.

Leadership	- Led and managed cross-functional teams of up to 100 members, providing clear direction, guidance, and support to achieve project goals and deliver high-quality results. - Demonstrated strong leadership skills by effectively delegating tasks, setting expectations, and empowering team members to take ownership of their responsibilities. - Mentored and coached team members, providing guidance and support in their professional development, and fostering a culture of growth and excellence. - Successfully implemented process improvements and streamlined workflows, resulting in increased efficiency and productivity within the team. - Leveraged Six Sigma principles and methodologies to drive process optimization, minimize waste, and improve overall team performance. - Demonstrated strategic thinking and decision-making skills by aligning team goals with organizational objectives and making data-driven decisions. - Led by example, exhibiting a strong work ethic, integrity, and professionalism in all interactions. - Collaborated with senior management and key stakeholders to provide input on strategic initiatives, ensuring alignment with business goals. - Proactively identified and addressed challenges and risks, developing contingency plans to mitigate potential disruptions. - Demonstrated strong problem-solving skills, taking a proactive approach to identify and resolve issues that could impact team performance or project outcomes. - Actively participated in professional development activities, including attending leadership workshops and obtaining Six Sigma certification, to enhance leadership skills and stay abreast of industry best practices.