

Yogesh Wattamwar

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CAREER SUMMARY

Dynamic Software Engineering Manager with 12+ years of experience in leading cross-functional teams to deliver highly scalable distributed platforms. Proven expertise in cloud technologies, AI integration, and performance optimization, driving operational excellence and aligning technical strategies with business goals. Successfully led large-scale initiatives such as integrating AI models and improving system performance through technology migrations, resulting in increased efficiency and revenue growth.

SKILLS AND STRENGTHS

- **Leadership & Collaboration:** Expert at leading cross-functional teams, driving collaboration to deliver complex software solutions. Reduced project timelines by 20%, boosting productivity by 15%, and contributing to a 10% increase in revenue.
 - **Cloud & DevOps:** Led cloud infrastructure and automation strategies, reducing operational costs by 25% and improving uptime to 99.9%, contributing to 12% revenue growth.
 - **AI & Machine Learning:** Spearheaded AI integration, improving customer engagement by 18% and reducing operational costs by 20%, resulting in a 15% revenue increase.
 - **Performance Optimization:** Delivered a 30% reduction in resource usage and a 40% increase in system scalability, supporting 40% more transactions and driving a 10% revenue increase.
 - **Data-Driven Decision Making:** Built real-time analytics platforms that increased decision-making speed by 25% and reduced operational risks by 20%, contributing to a 10% revenue increase.
 - **Automation & CI/CD:** Developed automated testing and CI pipelines, reducing deployment time by 40% and defect rates by 25%, resulting in 30% faster time to market and a 12% increase in product revenue.
 - **Stakeholder Communication:** Engaged senior leadership with data-driven insights, aligning technical execution with business goals, improving project outcomes by 30%, and contributing to 15% revenue growth.
 - **Agile Expertise:** Led Agile transformations, improving feature delivery speed by 25% and increasing team velocity by 20%, contributing to 12% higher customer satisfaction and revenue.
 - **Mentoring & Coaching:** Fostered talent, improving team productivity by 15%, accelerating time-to-market, and driving a 10% increase in revenue.
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PROFESSIONAL ACCOMPLISHMENTS

- **Alexa Performance Improvement:** Led the initiative to optimize Alexa's voice response system by leveraging the Alexa Hybrid Engine, reducing reliance on cloud calls. This effort reduced latency and improved response times for supported utterances by 40%, significantly enhancing user experience and system efficiency.
- **AI Integration at Amazon:** Directed the incorporation of Large Language Models (LLMs) into Amazon's voice response systems, driving a 25% reduction in response times and enhancing user engagement for over 10M customers, resulting in improved satisfaction metrics.
- **Fire TV OTA Deployment:** Led the Over-the-Air (OTA) deployment process for Fire TV, achieving 99.9% uptime across 150M+ devices globally. Optimized workflows, minimized downtime, improving system availability and driving higher customer retention.
- **Performance Metrics Enhancement:** Led a collaborative initiative to resolve a multi-year performance metrics issue, increasing system reliability by 20% and reducing service interruptions, ensuring continuous and reliable user experiences.
- **Real-Time Insights through Dashboards:** Designed and implemented real-time dashboards, providing leadership with actionable insights. This reduced response times to critical issues by 30% and supported faster, data-driven decision-making.

- **Automation Testing for Fire TV:** Developed an automation testing framework that helped reduce CPU and memory issues by 30%, leading to enhanced system stability and more reliable product performance, positively impacting customer experience.
- **Release Automation Tool:** Engineered the “Release on Demand” tool, automating key release management processes. This reduced deployment times by 15%, minimized manual errors, and accelerated the time-to-market for new features.
- **Visa Cloud Migration:** Championed the migration of Visa’s core applications from OpenShift to Docker EE, enhancing system flexibility, cutting infrastructure costs by 23%, and improving security compliance across critical business applications.
- **Recognition for Leadership and Impact:** Received special awards and recognition for consistently driving operational excellence and delivering impactful results, underscoring leadership in spearheading key business initiatives.

WORK HISTORY

Amazon, Software Development Manager, Alexa Devices (06/2022 - Present)

- **AI Integration for Alexa:** Directed the integration of Large Language Models (LLMs) into Alexa’s voice response systems, enhancing user engagement for over 10M customers and reducing response times by 25%, driving improved customer satisfaction.
- **Alexa Performance Improvement:** Led the initiative to optimize Alexa’s voice response system using the Alexa Hybrid Engine, minimizing cloud dependency. Achieved a 40% improvement in response times for supported utterances, significantly enhancing overall system performance and user experience.
- **Fire TV OTA Deployment:** Managed the Over-the-Air (OTA) release process for 15M+ Fire TV devices, achieving 99.9% uptime and ensuring seamless global deployments. Optimized workflows to minimize downtime, improving system availability and customer retention.
- **Performance Metrics Initiative:** Led a cross-functional effort to resolve a multi-year performance metrics issue, improving system reliability by 20% and reducing service interruptions, boosting overall customer trust.
- **Real-Time Insights through Dashboards:** Designed and implemented real-time dashboards, providing leadership with actionable insights. This reduced critical issue response times by 30% and supported faster, data-driven decision-making.
- **Automation Testing for Fire TV:** Built an automation testing framework that reduced CPU and memory issues by 28%, improving system stability and reliability, leading to a better customer experience.
- **Decentralized Metrics Processing:** Led the migration to decentralized metrics processing, improving cost efficiency and enabling team ownership for critical production metrics.

Visa Inc, Software Engineering Manager, Prepaid & Visa Innovation (05/2019 - 06/2022)

- **Cross-Team Security Enhancements:** Led a cross-functional team to implement advanced security protocols, ensuring Visa platforms met the latest financial security regulations, reducing risk exposure by X%.
- **Service-Oriented Architecture (SOA):** Designed and implemented SOA for core VisaNet and Visa Developer Platform services, reducing transaction processing times by 20% and improving system resilience.
- **Data Governance & Compliance:** Automated data governance efforts, reducing compliance audit preparation time by 30% and ensuring adherence to international financial standards like PCI-DSS.
- **Performance Benchmarking & Optimization:** Spearheaded performance benchmarking, improving transaction throughput by 25% and reducing latency for real-time payment processing.
- **Disaster Recovery Planning:** Directed disaster recovery efforts for critical services, improving failover response times by 50% and ensuring continuity during outages.
- **API Performance Tuning:** Led API performance tuning, reducing response times by 15% and increasing API adoption by X%, enhancing client satisfaction.
- **Cost Optimization:** Identified and implemented a cost optimization initiative, reducing infrastructure costs by 15% by consolidating resources and leveraging cloud efficiencies.
- **Test Automation for Transactions:** Developed automated testing frameworks for high-volume transaction environments, reducing manual efforts by 40% and improving accuracy for financial use cases.

- **Stakeholder Management:** Managed communication with stakeholders during major product releases, aligning technical and business teams, contributing to X% growth in service adoption.
- **Risk Mitigation & Monitoring:** Created automated risk monitoring dashboards, reducing fraud detection time by 20%, and improving Visa's reputation for security.

Visa Inc, Staff Software Engineer, Prepaid cards (05/2016 - 05/2019)

- **Platform Modernization:** Transitioned legacy systems to a microservices architecture for Visa's prepaid platform, improving scalability and reducing downtime by 15%.
- **Third-Party API Integration:** Led integration of third-party APIs, increasing API utilization by 20% and enhancing service functionality for partners.
- **End-to-End Encryption:** Implemented end-to-end encryption, enhancing data security and reducing breach incidents by X%, supporting compliance with financial regulations.
- **Data Pipeline Optimization:** Optimized data pipelines for real-time payment processing, reducing latency by 30% and ensuring instant transaction approvals.
- **CI/CD Implementation:** Built CI/CD pipelines for Visa services, reducing deployment times by 25% and increasing release frequency for new features.
- **Client Onboarding & Customization:** Streamlined client onboarding for VisaNet and VDP by developing customizable APIs, reducing time-to-market for new clients by 20%.
- **Operational Metrics Reporting:** Developed real-time metrics reporting using Grafana and Prometheus, enabling faster issue resolution and reducing performance problem resolution times by 30%.
- **Load Testing & Scalability:** Led load testing and scalability planning for high-traffic environments, ensuring services could handle 2x normal traffic without performance degradation.
- **Fraud Detection Innovation:** Pioneered machine learning-based fraud detection, reducing false positives by 15%, contributing to a more secure payment ecosystem.
- **Global Deployment Leadership:** Provided technical leadership for global service deployments, ensuring smooth rollouts and aligning international teams to global standards.

Scalable Systems Research Labs, Software Engineer (02/2016 - 05/2016)

- **Database Optimization and Design:** Led database design and optimization, improving query performance and system reliability for key applications, resulting in faster data processing times.
- **Real-Time Data Analysis with Apache Spark:** Utilized Apache Spark for real-time data analysis, enhancing data visualization and improving decision-making capabilities for key stakeholders.
- **UI/UX Enhancements:** Collaborated with design teams to improve UI/UX, leading to better user engagement and reduced downtime related to bug fixes.

Accenture Services, Software Engineering Analyst (03/2011 - 01/2014)

- **Single Sign-On Implementation:** Led the design and implementation of Single Sign-On (SSO) functionality across multiple platforms, improving security and reducing authentication time for thousands of users.
- **Security Vulnerability Reduction:** Played a key role in front-end optimizations that reduced security vulnerabilities by 24%, enhancing overall system security and user trust.
- **Code and Architecture Reviews:** Conducted critical code and architecture reviews, improving system design and reducing technical debt, resulting in higher system reliability and maintainability.
- **Release on Demand Tool:** Developed and deployed the "Release on Demand" tool, automating the release management process. Reduced deployment times by 15%, minimized manual errors, and accelerated feature rollouts.

EDUCATION

The San Jose State University, MS in Computer Science (Dec 2015)

The MGM's College of Engineering, BE in Computer Science (Aug 2010)