SANDESH YADAV

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Summary

Seasoned Technical Leader with 17+ years of industry experience in managing, leading, designing, implementing, and delivery of enterprise-level and incubator solutions to support growing needs of technology industry. A visionary who translates business requirements into strategic technical solutions with focus on functionality, technicality, and scalability. Expert in HTML, CSS and CSS preprocessors, Typescript, GraphQL, React, and designing technical design documentation. Exceptional people management skills including integrating UX Design, technical architecture, and product teams to plan and execute technology strategies while staying abreast of engineering trends in the industry. Leading a $7.5M project to implement proprietary financial solutions to help customers make better financial decisions.

A strong believer of diversity & inclusion and has mentored many professionals to achieve their goals. Certified Scrum Master and a Product Owner with a Masters in Computer Science.

Skills

- Strategic IT Planning
- Team Leadership
- Project Management
- Effective Communication
- Vendor Management

- Technology Product Management
- Agile Methodologies
- Risk Management
- Analytical Skills / Attention to detail
- Ideation and Research

- Resource Management
- Architecture Design & Implementation
- Train, Coach & Mentor
- Lean Engineering
- Problem Solving

Key Achievements

Achieved 20% increase in endorsement by redesigning and migrating legacy system into a single page app for Progressive Insurance's servicing website

Delivered outstanding UX for 50,000+ users driving usability, look and feel to achieve increased satisfaction score by 15%

Led transformation of $10M+ enterprise level IT programs to drive continuous improvements and maximize user efficiency

Experience

Level 20 (Progressive Insurance)

Principal Software Engineering Manager (2021 – Present)

Working with a growth incubator for one of the largest US Insurance providers, led a 14+ member cross-functional team of UX designers, data scientists, data engineers, full stack developers and testers to develop new-to-market technical products. Responsible for managing and providing technical guidelines for new and innovative solutions to drive digital transformation and growth at Level20.

Technical Skills: Angular, JavaScript, React, GraphQL, NodeJs, Python, HTML, CSS, AWS, GIT

Business Program Planning, Design and Execution

- Defined Most viable product (MVP) / Most viable experience (MVE) scope by collaborating with business through risk and cost tradeoff
- Developed a prioritized technical roadmap by collaborating with business leaders and technical teams to identify dependencies and phased implementation of product features
- Designed proof of concepts for beta releases using React, Typescript, GraphQL and AWS with CI/CD workflow to evaluate the complexity of the technical build and identify the building components and established an architectural framework for the product
- Evaluated several technical and operational vendors to assist in building a robust product by benchmarking against various data points like ease of integration, cost of operation and support based on the use case
- Studied and analyzed 4000+ transactional record to develop a pattern to feed into our proprietary prediction algorithm
- Led benchmarking initiatives to identify trends and opportunities, leading to the development of the new financial management product line
- Conducted over 30+ target user interviews and identified potential enhancement opportunities in the competitive market
- Architected predictions algorithm and maintained a code base for reusability and scalability
- Increased competitive edge of the proprietary product by automating customer financial management model
- Reduced defects by 30% by creating architecture designs and QA blueprints for the projects
- Maintained code standard and quality by establishing standards for linting, unit testing, pull request, code reviews, and end-end testing
- Developed technical and business use cases to evaluate and onboard vendors to expedite project execution to meet go-to-market timeline
- Increased operational efficiency by 17% by developing technical descriptions of operations and process workflows
- Conducted ideation workshops with subject matter experts to gather out of the box ideas to align on the target state of the financial product
- Implemented CI/CD processes for efficient development and testing of web technologies using React
- Established and maintained strong vendor relationships to drive transparency, high-quality service, and cost-effectiveness

People Management

- Led cross-functional team of 14+ resource design and development of a proprietary product to help enhance digital customer experience for financial management
- Defined KPIs for teams to assist in measuring progress, successful coordination and performance over time for meeting project objectives
- Conducted 4+ envision sessions with the board of directors to directionally align on product vision and budget estimation

- Mentored and guided a team of engineers, fostering their professional growth and achieving a 10% improvement in team satisfaction scores, while also facilitating three promotions within the team.
- Minimized resource bench time by conducting cross-training programs for technical professionals
- Recruited and retained top engineering talent, increasing the team size by 30% and improving overall team performance contributing to the successful execution of projects

Firm Accomplishments
- Provided training and guidance in front-end development, user experience, and user interface design
- Mentored and guided internal teams to resolve testing issues and set up analytics infrastructure
- As a subject matter expert in financial data aggregation provided guidance to senior leadership to invest in potential start-ups that could support the growth of level20 aligned with vision and core values
- Ambassador of DEI community for Level20

Progressive Insurance

Senior Software Engineering Manager (2009 – 2021)

Technical Leader focused on full stack development providing innovative cost-effective solutions to enhance customer experience on Progressive websites. Additionally, involved in improving and maintaining IT software programs/applications, and supporting infrastructure.

Technical Skills: Angular, JavaScript, JAVA, Nodejs, RESTAPI, HTML5, CSS, AZURE

Business Program Excellence and Execution
- Created and managed a design system to unify the design of UI across various Progressive platforms to create consistency in development and UX experience
- Responsible for creating analytics library with a team of 6 resources consisting of QA, developers, and data analytics to track user behavior and logging application data which helped in improving application performance and architecture
- Designed custom dashboards in Google Analytics and Splunk to centralize log management. Enabled efficiency in debugging issues by 20%
- Designed and implemented several proofs of concepts in Angular and Nodejs to identify potential enhancement opportunities and support advanced technology in Progressive's infrastructure
- Led initiative to implement Git branching strategy to deliver and maintain production code resulting in quick turnaround
- Integrated IBM tealeaf with Angular application to monitor and track user interaction on customer facing web pages
- Conducted multiple training sessions on Angular technology including key features, design concepts, best coding practices to maintain and enhance the Angular applications

People Management
- Managed a team of on-shore FTEs and off-shore contractors for 12+ years to deliver Progressive's first Angular application with a team of 16 IT professionals
- Managed the development and implementation of UI testing processes to ensure high-quality user interfaces
- Established and maintained relationships with key stakeholders, ensuring effective communication and collaboration, which contributed to a 20% increase in endorsement within the first six months of launching a redesign web applications

Firm Accomplishments
- Created an interactive fun board game to help kids understand basic concepts of insurance
- Organized events within Progressive to educate students on creating artificial AI using IBM chatbot
- Mentored interns by sharing knowledge on Progressive's culture, technology infrastructure and business processes

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EDUCATION
Masters in Computer Science
State University of New York, Binghamton US

Bachelor of Engineering in Information Technology
Sardar Patel College of Engineering Mumbai University, India

CERTIFICATIONS & PROFESSIONAL AFFILIATIONS
- ICAgile Certified Professional Certificate
- ICAgile Certified Professional - Agile Testing
- Certified Scrum Master
- Certified Product Owner

TECHNICAL SKILLS
- Packages: Microsoft Office, JIRA, Confluence
- Software Methodology: Agile, Waterfall, SDLC, SDM, Kanban

COMMUNITY INVOLVEMENT
- Volunteer for TEALS STEM education program for high school students
- Led a team of technical experts to tutor students of grade 3-6 for Corporate Social Responsibility in Progressive Insurance