

## PROFILE SUMMARY

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Results-driven Engineering Manager with 13 years of software engineering experience including 5+ years of experience leading & managing high performance cross-functional engineering teams to deliver high-quality products.

- **Technical Leadership:** Hands-on experience in delivering high quality large scale distributed systems – with a deep understanding of microservices and micro frontends.
- **People Leadership:** Experience in hiring, mentoring and scaling quality engineering teams.
- **Project Management:** Strong background in test planning, execution, cross-functional collaboration with product managers, project managers and other stakeholder to achieve results.
- **Quality Engineering:** Expert in CI/CD driven test automation, performance testing, and shift-left testing strategies.

## EXPERIENCE

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### Planned Career Break | April 2024 – Current

- Dedicated time to childcare, personal well-being, and fitness.
- Expanded expertise in Distributed systems, JavaScript based technologies and foundational AI concepts.
- Assisted a stealth mode AI startup to implement end-to-end testing processes, tools, and best practices for their emerging AI-based product.

### Engineering Manager QA | Quotient Technology (Formerly Coupons.com) | Nov 2017 – April 2024

- Led cross-functional team of 12, to manage key products such as *Coupons.com*, *Brandcaster*, and *Coupon Codes & Cash Back*, serving millions of users, which had B2B and B2C flavours.
- Established Quality Standards for the entire product line, ensuring comprehensive testing across various aspects and creating test frameworks for frontend, backend and mobile.
- Implemented a shift-left approach to quality engineering, fostering collaboration among developers, designers, product owners, and quality engineers
- Accelerated test automation adoption, transforming the testing strategy from 80% manual to 90% automation by leveraging a combination of multiple frameworks, including Selenium (Java + TestNG), Selenium (Python + Pytest), Cypress (JavaScript + Mocha + Chai), REST Assured (Java)
- Enhanced SEO by identifying and resolving front-end and back-end performance bottlenecks using Locust, JMeter, and Lighthouse, resulting in an 8+ position increase in search rankings.
- Orchestrated the release process for frontend, backend and mobile applications, achieving 84 successful releases in four months with a 98% success rate and reducing rollbacks.
- Drove Agile practices (Scrum & Kanban), increasing sprint velocity by 15%, reducing critical incident count & reducing employee burnout through improved workflow processes and ticket pipelines.
- Managed cloud migrations and infrastructure consolidations on Azure, AWS and On-Prem, resulting in monthly operational cost savings of \$15K.
- Led the modernization and cloud adoption strategy for the National Rebates product across multiple applications, transforming its architecture to enhance scalability, performance, and resilience.
- Architected and Developed the Coupon Codes platform using a microservices architecture, leveraging Java (Spring Boot) for backend services and ReactJS for the frontend.
- Spearheaded the re-architecture and re-write of legacy systems in Brandcaster to enhance maintainability and performance of the system.
- Set clear goals and developed strategic roadmaps for team members, offering ongoing guidance and support to ensure achievement of key objectives and alignment with OKRs.

- Collaborated with HR and senior management in defining hiring strategies, mentoring engineers, and resource planning to align with business goals.

### Quality Engineer 2 | RedMart | Apr 2017 – Sep 2017

- Led the testing efforts for the transport operations app for delivery personnel.
- Implemented automation frameworks and testing strategies to streamline quality assurance processes and improve efficiency – using Calabash-Javascript-Mocha-Chai and Java- Rest Assured

### SDE/SDET | Flipkart | Aug 2015 - Apr 2017

- Established Quality Assurance processes and standards, ensuring comprehensive testing across multiple platforms.
- Collaborated with cross-functional teams to identify and address quality issues
- Set up CI/CD pipelines, improving deployment cycles and release efficiency.
- Developed adapter layer that enabled third-party vendors to integrate with EKART's delivery system, expanding platform usage using Java-MapStruct.
- Designed and implemented a notification system using Kafka and MySQL, ensuring real- time updates internally and for customers about their package journey.

### Senior Software Engineer | Accenture | Aug 2011 - Jul 2015

- Delivered end to end testing for Salesforce-based payment applications coordinating with external stakeholders for seamless integration and delivery.
- Designed and developed Java-Selenium based regression test automation framework to reduce regression test time and efforts.

### KEY SKILLS

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- Languages: Java, JavaScript, Python
- Testing Frameworks: Selenium, Appium, REST Assured, Mocha, Cypress, Maestro, TestNG, Pytest
- Development Frameworks: SpringBoot, React, Node
- Application Architecture: Distributed systems, Microservices
- Cloud Providers: Azure, GCP
- CI/CD Tools: Jenkins, Artifactory
- Search: Solr
- Caching: Redis, Memcached, Varnish
- Messaging: Kafka
- SEO Tools: Google Search Console, SEM Rush, Page Speed Insights
- System design and optimization
- Strong knowledge of Distributed Systems, Microservices
- Foundational knowledge of Generative AI based systems, Prompt Engineering, chatbots and Agents

### EDUCATION

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B.E. (ECE) from Birla Institute of Technology, Mesra, Ranchi (BIT Mesra) - 2007-2011

### ACHIEVEMENTS

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- Won the Hackday global awards in 2020 and 2021 at Quotient Technology
- Implemented dynamic URLs using a Hackday idea to increase search impressions on Google Search Engine.
- Received 'Going the Extra Mile' award while in Accenture.