
NIKHIL MAHESHWARI

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Vice President of Engineering & Technology

Summary

Responsible for overall technology and efficient running of engineering operations. Passionate about developing utilities that can help the Internet audience regardless of age and capabilities. Leading the technology divisions (Product | Platform | Data | DevOps | QA) in developing enterprise-scale applications including AI-Assisted Annotation, Road Side Assistance, Vehicle Inspection, Claims, and Trip Insurance. Spending time in identifying the solutions for challenging engineering problems. Winner of **Internet 2.0 - Outstanding Leadership Award**.

Key Qualifications

- Technical Architecture Designing
- Cloud Platform Setup
- Microservice Development
- Analytics and Data Science
- Certified Scrum Product Owner
- Highly Scalable Application Development
- Performance Optimization
- Specialized in Acquisitions, Mergers, and IPO readiness
- Specialized in Business Intelligence, EdTech, and InsurTech
- Expert in building WebRTC and P2P-based solutions
- Team Building
- Engineering Management
- Budgeting
- Effort Estimation
- Vendor Management

Technical Exposure

Go | NodeJS | Java | JavaScript | Unity | HTML | CSS | ReactJS | AngularJS | jQuery | Flutter | D3
AWS | Microsoft Azure | Google Cloud | Microservices | Kubernetes | Docker

Experience

Oct 2021 - Present

Vice President of Engineering & Technology

Roadzen Inc

Developing and executing the company's technology strategy, including the use of artificial intelligence and machine learning to improve business operations and enhance the customer experience. Leading the technology divisions (Product | Platform | Data Science | DevOps | QA) with 70+ engineers in developing enterprise-scale B2B and B2C applications at Roadzen including AI-Assisted Annotation, Road Side Assistance, Vehicle Inspection, Claims, and Trip Insurance.

- Successfully transformed a startup engineering setup with shared resources across multiple products into a scalable technology model with agile squads working on individual products; expanded the engineering team from 15 to 70+ engineers including permanent and contractual staff
- Partnered with HR and Leadership to create and execute a hiring plan to establish a comprehensive technology department, including Engineering divisions such as Product, Microservices, Data Science, DevOps, Information Security, and Quality Assurance, each with clear OKRs
- Ensuring the security, reliability, and scalability of the company's technology infrastructure and systems, including disaster recovery and business continuity planning to make the organization a global leader in AI InsureTech Space while preparing for IPO in the USA
- Collaborating with Engineering Managers and Technical Architects to improve engineering processes and practices, ensuring high-quality standards through participation in System Design, Architecture, and Code Reviews
- Working with product managers to prepare a comprehensive product roadmap that aligned with the organization's vision and goals
- Conducting technology evaluations of multiple organizations for potential acquisitions and mergers
- Fostering a culture of innovation, collaboration, and inclusivity, creating a positive work environment for all team members
- Building and maintaining relationships with key technology partners and vendors, and negotiating contracts and agreements to ensure the company is getting the best possible value
- **Tech Stack** : NodeJS, ReactJS, Flutter, Microservices, Docker, Kubernetes, AWS

Apr 2018 - Oct 2021

Head of Engineering - Abjadiyat

Abjadiyat - an Alef Education Product (<https://abjadiyat.com/en>)

Led the technology teams (Frontend / Backend / Mobile (Unity) / DevOps / Data Science / QA) of 50+ engineers in Abjadiyat, an Arabic learning platform for **early education**, powered by Artificial Intelligence, Machine Learning, and offers personalized content recommendations for preschoolers.

- Hired, trained, and empowered engineering teams, staff members, and vendors
- Answered questions and resolve issues brought forth by the engineering team members
- Created detailed engineering plans, and processes for engineering staff to use and abide by
- Proposed and oversee budgets and timelines for engineering projects
- Checked and confirmed the accuracy of the work performed and the methods used by engineering staff
- Conducted various tests and quality assurance checks to verify the quality of completed projects
- Monitored and determined different staffing and training needs
- Spearheaded various research and development initiatives to identify opportunities for new projects and improved processes
- Communicated and collaborated with product managers, content managers, marketing managers, education directors, art directors, suppliers, and contractors
- **Tech Stack** : Java, NodeJS, Unity3D, Flutter, , Microservices, Docker, Kubernetes, AWS

Jul 2017 - Apr 2018

Chief Technical Architect

Roadzen Technologies

Led the engineering teams (Frontend / Backend / Mobile / DevOps / QA) of 40+ engineers in Re-Architecting and developing enterprise-scale applications at Roadzen including Road Side Assistance, Vehicle Inspection, and Trip Insurance. Built, managed, and mentored the technical team.

- Formulated engineering teams with great culture for various products from scratch
- Technical authority in prospective meetings with other departments
- Evaluation of technical proposals from suppliers and vendors
- Implementation recommendations to stakeholders
- Provided Hands-on Technical leadership, in the development, operation, and improvement of services
- Worked closely with the wider team to ensure high-quality code is delivered in line with the project goals and delivery cycles
- Established the Engineering best practices including (but not limited to) Clean Code, TDD, BDD, continuous integration, continuous delivery, and DevOps
- **Tech Stack** : ReactJS, NodeJS, Flutter, Microservices, Docker, Kubernetes, AWS

Jan 2016 - Jun 2017

Senior / Lead Software Engineer

Pretlist India Private Limited

Joined as the founding engineer in the Pretlist India development center. Architected and developed Pretlist's proprietary platform for Apparel wholesale. Built, managed, and mentored the technical team.

- Hired as the first engineer in Pretlist's India Office and formulated the engineering team of 25 engineers from scratch
- Designed, Architected, Developed & Deployed a supply chain management product using Golang, React JS, and Google Cloud Platform
- Re-architected the complete product from a monolithic architecture to microservices-based architecture
- Single-handedly managed and ensured the scalability and Continuous integration and deployment of the microservices using Shippable, Docker, and Kubernetes
- **Tech Stack** : ReactJS, Go, Microservices, Docker, Kubernetes, GCP

Sep 2014 - Dec 2015

Senior Software Engineer - Contractor

Google India Private Limited

Developed tools for Google's data-driven business intelligence team with Google's \$60B+ ads business. Most of the developed tools were based on data visualization used by Google's sales team.

- Utilized AngularJS, JavaScript, jQuery, HTML, and CSS to develop the frontend of the tools and used Golang to develop the backend of the tools and deployed the tools on the Google Cloud Platform using Kubernetes and Docker
- Worked closely with the data-driven business intelligence team to identify requirements and design tools that met their needs
- Collaborated with other developers to ensure the tools were scalable, reliable, and efficient.
- Stayed up-to-date with emerging technologies and best practices to ensure the tools remained competitive and effective
- **Tech Stack** : AngularJS, Microservices, Docker, Kubernetes, GCP

Jul 2011 - Sep 2014

Systems Engineer

IBM India Private Limited

Worked for the ePricer project to build software for selling IBM's software and hardware products. Led IBM liquid program for ePricer independently.

- Used AngularJS, JavaScript, jQuery, HTML, and CSS to develop the frontend of the ePricer software and Java to develop the backend of the product and deployed the tools on the IBM Cloud platform using Kubernetes and Docker
- Utilized agile methodologies to manage project timelines and ensure the timely delivery of high-quality software
- Worked closely with a team of developers and stakeholders to design and develop ePricer software that meets the needs of IBM's clients
- Developed and maintained strong relationships with IBM clients, ensuring their needs were met and that they were satisfied with the ePricer software
- **Tech Stack** : Java, jQuery, HTML, CSS

Additional Professional Experience

Jul 2010 - Jul 2011

President, Students' Association

Delhi Technological University

- Led technical and cultural societies of Delhi Technological University
- Organized world-class conferences and met then President of India Mrs. Pratibha Patil, then chief minister Mrs. Sheila Dikshit, prestigious alumni and 'Father of the Pentium Chip' Mr. Vinod Dham, and Nobel laureate Mr. Warner Arbor
- Maintained contact with advisers, alumni, departments, community partners, and national and international organizations
- Managed and served as a secondary signatory on the association's financial accounts
- Prepared and filed the required reports to University Officials and the Educational Board

Education

2009 - 2011

Master of Technology (Information Systems)

Delhi Technological University (Formerly Delhi College of Engineering)

CGPA : 8.7

2005 - 2009

Bachelor of Technology (Computer Science)

Gurukula Kangri Vihwavidyalaya

CGPA : 8.4

Workshops & Research Publications

- Organized & Participated in International Workshop on "[Intellectual Property Rights meets Information Technology](#)" in Delhi Technological University.(IPR meets IT 2011)
- [Nikhil Maheshwari](#), N S Raghava & Vishal Bhargava 2011: "[An Alternative to Accessibility for Independence](#)" in Global Science and Technology Forum: Journal on Computing (Joc) Vol 1 No.3
- [Nikhil Maheshwari](#), N S Raghava & Vishal Bhargava 2011: "[Accessibility for Independence](#)" in Annual International Conference on Web Technologies & Internet Applications in Penang, Malaysia (WebTech 2011)
- [Nikhil Maheshwari](#) & Vishal Bhargava 2011: "[An Intelligent Speech Recognition System for Education System](#)" in International Conference on Smart Technologies for Materials, Communication, Controls, Computing & Energy in Chennai, India (ICST2011)
- O. P. Verma, Vishal Bhargava, [Nikhil Maheshwari](#) & Rahul Katarya 2011: "[Use of Semantic Web in Enabling Desktop based Knowledge Management](#)" in International Conference on Network and Computer Science in Kanyakumari, India (ICNCS2011)
- [Nikhil Maheshwari](#), N S Raghava & Vishal Bhargava 2011: "[Personal Authentication System with High Acceptability and Reliability](#)" in International Conference on Interdisciplinary Research and Development in Bangkok, Thailand (INRIT2011)
- Ritu Agarwal, Vishal Bhargava, Dhiraj Dafouti, [Nikhil Maheshwari](#) 2011: "[A Fast Encrypting Algorithm](#)" in International Conference on Network Communication and Computer in New Delhi, India (ICNCC 2011)