

Senior Software Engineer with 7+ years of experience building and scaling backend and platform systems. Currently working on machine translation and speech platforms at Microsoft.

Work Experience

Senior Software Engineer (Level 63) Text-To-Speech Team	Microsoft IDC Hyderabad, India	Nov 2025–Present
<ul style="list-style-type: none">Contributing to backend services in large-scale text-to-speech systems, focusing on language coverage, pronunciation quality, and production readiness.		
Software Engineer II (Level 62) Machine Translation Platform	Microsoft IDC Hyderabad, India	Aug 2023–Nov 2025
<ul style="list-style-type: none">Led development of Adaptive Custom Translator, enabling style adaptation with as few as 150 sentence pairs, compared to ~10,000 sentences required by the existing Custom Translator, while preserving translation quality.Drove the project end-to-end: problem definition, research prototyping, system design, production rollout, and post-launch optimization.Designed shared multilingual model infrastructure, reducing translation runtime memory usage by 40% and improving fleet-wide efficiency.Collaborated closely with applied scientists, product managers, and partner teams to align technical trade-offs with customer needs.		
Software Engineer II (Level 61) Machine Translation Platform	Microsoft IDC Hyderabad, India	Feb 2022–Aug 2023
<ul style="list-style-type: none">Owned and maintained an internal tool that enables translation researchers to train, test, and deploy machine translation models.Consolidated fragmented model quality metrics into a single evaluation pipeline and report, significantly improving decision-making speed for researchers.Led backend API redesign and React-based frontend migration of a .NET portal, achieving a 10x performance improvement and better scalability.Enhanced Custom Translator with the latest translation model recipe (+8 BLEU points) and Neural Phrase Fix (+3 BLEU points), enabling customers to achieve domain-specific accuracy.		
Senior Software Engineer ComplyDev Team	Arcesium Hyderabad, India	June 2020–Feb 2022
<ul style="list-style-type: none">Spearheaded multiple projects to revamp legacy software systems and successfully onboarded them to the Compliance development team's product platform.Owned the full development lifecycle, from requirements gathering and design to deployment and production support.Partnered with stakeholders to propose and deliver new product capabilities.Improved system performance by 25% through profiling, optimization, and architectural improvements.		
Software Engineer ComplyDev Team	Arcesium Hyderabad, India	Feb 2019–June 2020
<ul style="list-style-type: none">Analyzed legacy systems and implemented strategies to reduce operational toil.Improved system stability, reducing incidents by 60%+.Cut support costs by 50% across multiple projects.		

Software Engineer RIL team	Samsung R&D Noida, India	June 2018–Feb 2019
	<ul style="list-style-type: none"> Maintained and restructured the RIL layer of Android. Achieved Professional Level Grade in Samsung's Software Certification Test within two months of joining. 	

Software Developer Intern	FACE(Focus Academy For Career Enhancement) Bangalore, India	Summer 2017
	<ul style="list-style-type: none"> Redesigned the FACEPrep Android app with improved UI/UX, increasing Play Store downloads by 20%. Implemented API integrations using Retrofit and OkHttpClient. Integrated Firebase for push notifications. 	

Education and Certifications

- B.E. Information Technology**, Birla Institute of Technology, Mesra, India.

2014–2018

Technologies and Languages

- Programming Languages:** Java, Python, JavaScript, TypeScript, C#
- Frontend:** React, modern web architectures
- Infrastructure & DevOps:** Docker, Kubernetes, CI/CD, Git
- Data & Storage:** MySQL

Projects, Awards and Volunteer Work

- Rakshak** - An end-to-end encrypted email client using IMAP, SMTP with AES and RSA algorithms
- Toaster** - A lightweight android library for showing some beautiful toasts which enhances user experience
- Smart India Hackathon**: 2nd Prize (College Representative).
- Executive member, **IET Student Chapter**, BIT Mesra — conducted sessions on Coding, Data Structures, and Algorithms.