

Mukul Milind Mishra

Software Engineer, Amazon

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Lead Software Engineer with over 8 years of experience in architecting and delivering scalable, high-performance distributed systems, driving technical innovation and operational excellence in top-tier tech environments. Technical leader with a strong track record of leading cross-functional teams to develop and deploy software solutions that drive business impact.

Professional Experience

Software Engineer, Tech Lead	Amazon, Seattle	Oct 2021 - Present
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Contributed in designing architecture of scalable software systems & mentoring L5, L4 SDE for better code quality & delivery

- Design, develop multiple frontend and backend applications from scratch scaling from 0 to 1.5M+ users using cloud native distributed microservices and XPNW (Cross platform react native) application deprecating 37 million contract from WTW.
- Leading a team of 5 SDEs, key technical resource, overseeing full development cycle from conception to maintenance.
- Specialized in performance optimization and scalability of overall architectures spanning cross team applications.
- Scaled my 9 SDEs team in June 2022 to 48 SDEs organization in May 2024 serving as a key foundation member, responsible for training, mentoring, designing and implementing applications, building capabilities, and driving hiring initiatives to support the organization's rapid growth.
- 50% coding & implementation, 30% system design & collaboration across other teams in organization, 10% team's operation (on-call, complex high severity tickets) and 10% hiring/mentoring.

Software Engineer	Amazon Web Services, Bengaluru	Jul 2019 - Oct 2021
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Contributed in designing smaller software components, full stack software development & mentoring L4 SDE, L4 SDE Interns

- Design and develop automated ordering system for AWS Infrastructure Supply Chain Automation using native serverless reactive microservices architecture handling over 5000+ TPS specifically in ordering team. Focused on development of ordering portal and associated backend systems for coordinated and non-coordinated orders.
- Driven multiple software best practices in and knowledge sharing in front end development process.
- 60% coding & implementation, 10% system design (HLD; LLD), 25% teams operation excellence(on-call) and 5% hiring/mentoring.

Software Engineer 2	Dell EMC, Bengaluru	Jul 2017 - Jul 2019
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- Automated on premised server fleet scaling process supporting tax engine for Dell.com during holiday season, cutting deployment time from 3-4 hours/server to 25 seconds/server.
- Led overall infrastructure setup for Dell.com tax processing system, ensuring robust performance during holiday peak sales.
- Mentored junior developers, organized hackathons, and conducted technical training sessions.

Education

Bachelor of Engineering (BE)	VTU, Bengaluru	Jul 2013 - Jul 2017
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- Major in Computer Science Engineering (First Class with Distinction: **84%**)
 - VTU Rank 2: 2014, Gold Medal in Mathematics: 2015
 - Activities: Cross Country (State level competitions), Marathons, Table Tennis, Swimming

Matriculation & 10+2	Kendriya Vidyalaya, New Delhi	Apr 2010 - Mar 2012
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- Major in Physics, Chemistry, Biology and Mathematics (Distinction: **89.4%**)

Key Skills

- **Engineering:** Object Oriented Programming, Scalable Architecture, Distributed Systems, Cloud Computing, Microservices, HLD, LLD, REST APIs, Building Product from Scratch, Product Development, Hiring, Mentoring, Data Structure and Algorithms, Linux
- **Language & Framework:** Java, Python, Spring boot, OAuth, JavaScript, React JS, React Native
- **Cloud technology:** AWS Services (Lambda, ECS Fargate, S3, DynamoDB, RDS, SQS, SNS, Kinesis, CloudFormation, Glue, Event Bridge, AppConfig, AppSync, ElastiCache, Route 53, NLB)