Mukul Milind Mishra
Software Development Engineer 2, Amazon, Seattle, WA

Dynamic and detailed-oriented Computer Science Engineer with 7+ years of work experience in Software Development and Enterprise Infrastructure. Keen to learn new technologies to innovate and build scalable software products and solution for customers.

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SKILLS

- Object Oriented Programming
- Data Structures, Algorithm and Design
- Distributed Systems
- Front End web development
- React JS, React Native, GraphQL

- Serverless Application
- Reactive Microservices
- Cloud Computing (AWS)
- Scalable Architecture
- Database Management Systems

WORK EXPERIENCE

Software Development Engineer 2, Amazon, Seattle | *October 2022 - Present*

- I am currently part of People Experience Technology team where I am working on building applications for Amazon employees(scale of 1.5 million and growing).
- I design, develop, implement, test, document and deliver large-scale, multi-tiered, distributed software applications, tools, systems and AWS cloud native services using Object Oriented programming, Java, NoSQL and/or related technologies in Linux, Unix, or related sophisticated platform or operating system in an Agile environment.
- Serve as a key technical resource in the full development cycle, end-to-end, from conception, design, implementation and testing to documentation, delivery and maintenance.
- Own delivery of entire application by leading team of 5 SDEs, and serve as technical lead on complex projects using best practice engineering standards.
- Mentor junior development engineers. Contribute in Amazon hiring process

Software Development Engineer 2, Amazon, Bangalore | *December 2020 - October 2022*

- I am part of Amazon Product Assurance risk and safety (PARS tech) team. The PARS team ensures that all products sold are safe and compliant and that our workplaces are safe and secure. We proactively build and maintain customer and associate trust through exceptional global programs and services. We create an amazing customer experience through transparency, innovative solutions, expertise and risk mitigation.
- Currently involved in entire software development process starting from gathering business requirement, translating BRD to technical design document, design review, scoping, implementation and launch of software products
- I am also actively mentoring engineers in my team to ramp up fast and grow in their career @ Amazon
- 30% system design, 50% coding and implementation, 10% hiring/mentoring and 10% teams operations
- I am operational excellence lead for my team and responsible for driving the weekly handover meeting, grooming and prioritising OPEX tasks to decrease incoming ticket counts and perform monthly capacity planning
- I contribute with my peers to ideate, create and implement processes to improve team's operational excellence

Software Development Engineer, Amazon Web Services, Bangalore | *March 2020 - November 2020*

- I am part of AWS Infrastructure Supply Chain Organization. The AWS Supply Chain plans, tracks, and procures all the physical resources necessary to run our datacenters. Without the AWS Supply Chain, there is no cloud and there is no Amazon.com.
- I'm currently working on Ordering system which is being envisioned to be the automated solution to streamline the order processing for all the orders coming from all channels
- **Ordering Portal to place, view and search all kinds of orders in AWS -** using reactive microservices (server-less running lambda functions in backend and exposed via API gateway), GraphQL acting as an interface between the front-end(client) and backend services(server) and React based Single page application based on AWS Design System
- Active contribution in Architectural And Scalable designing, reviewing code for better code quality and delivery.
- Analysing day to day issues in production, finding root cause and fixing them to improve operation and contribute towards better customer experience
- Creating design documents, SOPs, best practices documents for effective knowledge sharing and collaboration among engineer of my team.

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Software Development Engineer 2, Dell, Bangalore | *July 2017 - July 2019*

- **Sabrix Web Services using Spring Boot replacing all Data Base Links**
  - Designed to handle 40k - 50k transaction everyday and can scale up. More secure and generic
  - Technologies - Java Springboot, PCF - Container, Oracle DB, Git - Version Control
- **Production monitoring process automation**
  - One command with few parameters to spin one or more tax engines.
  - Reduced the deployment time from 3-4 hours / server to 25 seconds/server.
  - Minimised the effort of 4 engineers working for 2-3 months to spin 142 VMs to 2 engineer taking 1-2 week of time
  - Standardised infrastructure with uniform configuration to reduce the incidents by 95% related to server configuration.
  - No server/application required to deploy application.
  - Decreased maintenance time from 12 hours per window to 2 hours per window with no downtime.
  - Technologies - Linux Shell Scripting, Python
- **Tax Consolidation Project: Lead for infrastructure & architecture setup.**
  - Replace Vertex (used in L-EMC) with single tax calculating engine - Sabrix
  - Database, Replication Setup and Data Migration from EMC to Dell infrastructure.
- **Composer UI for Harmony - Front-end Development**
  - Harmony is a Dell Internal Sales Tool for customer representatives to sell 3rd party vendor products to the customers.
  - Target was to increase sales numbers by making easy and user friendly tool.
  - This project was presented to leadership as a POC to revamp the legacy tool and was funded for next FY roadmap
  - Technology: Angular 6 - Front-end, SpringBoot - Service Calls, Gitlab, PCF Container
  - Lead - Innovation and Training Committee, IT Development Program
  - Mentor junior developers, Organize and take part in quarterly Hackathons, Technical Training
  - Graphics designer @ Dell: Posters, Flyers, Standees, Backdrops, ID Cards and lot more

EDUCATION

Bachelor of Engineering | *2013 - 2017*
- Branch: Computer Science Engineering,
- University: Visvesvaraya technological university
- College: BMS Institute Of Technology, Bangalore
- Aggregate Percentage: 84.0 %

Matriculation and 10+2 | *2010 - 2012*
- Kendriya Vidyalaya No.2, Delhi Cantt, New Delhi
- AISSCE: Class 12th Percentage - 87.4 %
- AISSE: Class 10th Percentage - 9.4 CGPA
- Physics, Chemistry, Maths, Biology, English

AWARDS & RECOGNITIONS

- **FY20 Q4 - Blackbelt Award Core Linux Profile |** Jan 2020, Amazon Web Services
- **Shark Tank Winner - Dell Digital Summit 2019 |** Jun 2019, Dell Technologies
  Global Product Launch Dashboard to preview the draft state of preparedness of any new product on Dell.com. Pitched the idea in front of 400+ audience including OCIOs and was able to get on the spot $50,000 project funding.
- **FY19 Dell Champion Award |** Mar 2019, Dell Technologies
- **FY18 Q1 Global Recognition - Bronze Award |** Jun 2018, Dell Technologies
- **FY18 Dell Long Term Incentive [LTI] |** Mar 2018, Dell Technologies
  Outstanding performance and Excellence@Dell during FY18.
- **FY18 Q3 Global Recognition - On The Spot Award |** Nov 2017, Dell Technologies

TRAINING & CERTIFICATION

- AWS Certified Solution Architect - Associate
- Oracle Certified Java SE8 Programmer - Oracle
- Oracle Database 12c SQL Certified Associate - Oracle
- UiPath Certified Advanced RPA Developer - UiPath

- Certified Scrum Master - Scrum Alliance
- Python Programming - University of Texas, Arlington
- Machine Learning Advanced Certification Training
- Database Fundamentals MTA - Microsoft

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