



**Akshay Khanna**

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## Work Experience

### **Sr. Software Engineer - Servicenow**

September 2021 - Present

As a Senior Software Engineer at Microsoft, you will be a founding member of the new Special Cloud team leading a team of 8+ and driving innovation in the next generation of autonomous cloud infrastructure for Microsoft's M365 Sovereign and Regulated cloud offerings. You will have the opportunity to make an impact at massive scale, with room for growth in discipline, team-building, and learning while working in foundational cloud technologies.\*

Developed and architect multiple product apps, microservices, REST API & UI components as part of the WSD (workplace management suite) product team using Seismic (React JS), JS, Java & ServiceNow, SQL (Glide) DB & GenAI. + Designed the architecture and led the complete UI heavy development of a complex Scenario Planning (Office space planning & visualization) app. + Built a complex data visualization and planning UI component called Stack Plan from scratch and recursive hierarchical tree visualization.

### **Senior Consultant - Thoughtworks**

September 2018 - September 2021

As a Senior Software Engineer at Microsoft, you will be an integral part of the new Special Cloud team, leading a team of 8+ and driving innovation in the next generation of autonomous cloud infrastructure for M365 Sovereign and Regulated cloud offerings. You will have the opportunity to make a significant impact at scale, with room for growth in discipline, team-building, and learning while working on foundational cloud technologies. Previous work experience:\* Worked on the development and performance improvement of Atlassian's core UI design components in coordination with their Design System Team. Refactored and added features, contributed to open-source libraries, and wrote code mods (AST JSCodeShift) for easy shipping of these components.\* Built a complex distributed system for UK's leading Outdoor advertisement company. Developed multiple microservices and REST APIs using Golang, Java, Python, and MongoDB, following DDD to build them. Wrote multiple CRON jobs, handled concurrency (via routines) and managed the event-driven architecture using SNS & SQS. Built UI using React Redux and used linear programming (GLPK) to solve their inventory optimization problem. Wrote unit, integration, and contract tests for each microservice and followed TDD & pair programming.

### **Product Developer - Tieto**

September 2017 - September 2018

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Developed patient list & task management app from scratch for a Nordic company using Angular 5+ front-end and Java MVC (+ SQL) REST microservices back-end.\* Worked as full-stack developer in healthcare product development teams, responsible for developing user stories, writing unit tests (jasmine + karma + junit), finding bugs, proposing & implementing suggestions and enhancements to the product, giving demos after sprints, and attending/conducting grooming, swarming, and retrospective meetings with product OPO's.

## Software Engineer - Infosys

September 2015 - September 2017

As a Senior Software Engineer at Microsoft, you will lead a team of 8+ in driving innovation in the next generation of autonomous cloud infrastructure for M365 Sovereign and Regulated cloud offerings. You will have the opportunity to make an impact at massive scale, with room for growth in discipline, team-building, and learning while working in foundational cloud technologies.\* Developed user stories and change requests as part of an agile Java backend development team for a Telecom Client Product.\* Wrote multiple utilities and automation scripts to automate project infrastructure work and improve application stability. These included: + Bot for Auto Incident Resolver on BMC IATM (Java & Sikuli lib) + Bot for clearing stalls (stuck processes) using C#, WPF & Selenium + Auto Start/Stop Production Jobs & Server (C#, Background Worker) + Server Log Management utility (C#, Ionic Zip lib)

## Skills

- \* Programming languages: Java
- Python
- JavaScript (with expertise in React JS and Redux)
- Golang
- C#\* Databases: MySQL
- MS SQL
- MongoDB\* Frameworks
- tools
- and design patterns: ReactJS
- Angular 2+
- Pact for contract testing
- ServiceNow
- CSS-in-JS
- Backend-for-frontend
- DDD
- Open AI
- LLM
- Gen AI\* Cloud and DevOps technologies: AWS
- Azure
- SNS
- SQS
- Rabbit MQ
- Docker
- CI/CD pipelines
- Jenkins\* Engineering practices: TDD
- Pair programming
- XP
- Test-Driven Development (TDD)
- Object-Oriented Programming (OOPs)
- Clean code strategies
- and cross-functional teams\* Data structures and algorithms: Distributed systems
- Microservices
- REST API design
- Design Systems and libraries
- System Designing and Architecture DesigningAs a seasoned software engineer with extensive experience in managing highly complex software services at internet scale
- you have demonstrated expertise in multiple programming languages
- databases
- frameworks
- and engineering practices. Your proficiency in cloud and related technologies spans over 5 years

- with a strong background in architecture
- performance
- scale
- and backend development. Additionally
- you have honed your engineering management skills for over 2 years
- with a degree in Computer Science or equivalent experience.

## Awards and Recognitions

### **Bronze Badge (HackerRank) & Qualified GCM**

2015

Won Bronze badge in algorithms domain at HackerRank.

Qualified Google Code Jam (GCM) round one

### **Insta Award Infosys**

2016

Excellent work done in automation in client project.

### **MVP in 3 sprints, Tieto**

2017

Awarded by team for contribution & guidance in dev

### **Floe Ninja ThoughtWorks**

2019

Developing client inventory dashboard in hackathon.

### **Kudos from Atlassian**

2020

For contribution in their performance improvement initiative.

### **Advent of Code (AOC) with all 50 stars**

2020

Completed AOC with all 50 stars and ranked 2 on office leaderboard

### **Servicenow Lama Award**

2022

For designing, architect & leading UI development of most critical project of Q3