

Manoj Pathak

- 14+ years of extensive experience designing and developing innovative solutions hosted on the Cloud and On-premise for medium and enterprise applications.
- Expertise in Java, Spring, Cloud, and Databases
- Hands-on experience in Microservices, API Gateway, Docker, Kubernetes, SolrCloud, RabbitMQ, Oracle, Kafka, MongoDB, Python, and Azure/AWS/GCP.
- Exploring the interesting field of GenAI (LLM and RAG)
- Experience working in fast paced Startups and Large Orgs

EXPERIENCE

Veritas Technology, Pune — Sr Principal Engineer (Dec 2022 - Present)

- Designing ALTA CoPilot to provide contextual help and generate dynamic reports by utilizing GenAI and RAG-based LLM.
- Designed and integrated Ransomware Protection features for the Netbackup SAAS platform to achieve Cyber Resilience of data against any cyber-attacks.
- Mentored junior developers, performed code reviews, and provided solutions.
- Set up the deployment pipeline end-to-end deployment on production AKS and EKS.

Mastercard Technology, Pune — Lead SDE (May 2020 - Dec 2022)

- Responsible for managing payment authentication systems that ensure the safety and security of smart eCommerce and mobile payment transactions Globally.
- Set up new infrastructure in the India region to deploy the SecureCode app with minimal code changes using the Lift and Shift approach.
- Migrated existing legacy applications from JBoss to Tomcat and decomposing them into a small microservice using SpringBoot component for cloud readiness and deploying a few components to PCF.
- Migrated existing app from XML Gateway to API Gateway.
- Improved existing app performance by reducing 17 DB calls to 1 DB call per transaction and reaching 1000 TPS.
- Mentored junior developers, performing code reviews, and being involved in architecture design decisions.

Cloudreach Technology, Pune — Technical Lead (March 2018 - May 2020)

- Architected, designed, and implemented 'Agent Manager', 'Agent DataCollector', and 'Data Ingestor' individually and helped build and integrate various small components like survey, validation, and customer onboarding with the team for the Cloudamize platform.
- Containerized microservices using Docker & Kubernetes, APIGW, and setting up CI/CD using Codeship.
- Worked on Data processing to perform basic analytics using S3 Streaming API and Panda.

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SKILLS

Java/JEE	★★★★☆
Spring	★★★★☆
Cloud	★★★★☆
Security	★★★☆☆
Microservice	★★★★☆
Azure/AWS/GCP	★★★★☆
Docker	★★★☆☆
Kubernetes	★★★☆☆
Databases	★★★☆☆
Python	★★★☆☆

Achievements

- **Star Performer** award multiple times.
- **Pinnacle Team** award
- Qualified **GATE** exam with AIR 1500

LANGUAGES

English and Hindi

HOBBIES

Trekking, Traveling, and Chess

- Mentored junior developers, performed code reviews, and was involved in architecture design decisions.

TIAA GBS, Pune — *Senior Associate (July 2017 - March 2018)*

- Migrated Java applications codebase from RTC to Gitlab.
- Integrated Transmit Security with the TIAA UserSecurity app using Mulesoft API integration.
- Building teams - Starting from interviews to ramping up activities.
- Monitoring and debugging the production server using Splunk and FIS to help the production support team.

Synerzip Softech (Mercatus), Pune — *Technical Lead (November 2013 - July 2017)*

- Played a major role in building the Mercatus SAAS Platform by architecting, designing, and implementing key modules.
- Improved dashboard loading time by **10x** using *SolrCloud* for document index.
- Integrated third-party applications like HP-PPM, WorkFront, Zendesk, Dropbox, Box, and S3 using Rest-APIs from Mercatus platform.
- Implemented Sing Sign On(SSO) using *Spring Saml* and *ADFS*.
- Design and develop microservices by splitting legacy monolith apps.
- Developed asynchronous application for heavy data processing in the background and communicating using ActiveMQ.
- Introduced NoSql (MongoDB) database to store time series data and return aggregated data in 8ms from a collection containing 10M records.
- Helped the DevOps team to build and deploy these services on the AWS cloud.

Sears Holdings, Pune — *Senior Technical Associate (December 2012 - November 2013)*

Developed CSO(Customer Specific Offer) engine to generate offers based on purchase history using IBM Unica campaign and integrated it with EJB system using JBoss MQ

Dassault System, Pune — *Senior Software Engineer (January 2010 - November 2012)*

I was a part of the R & D team and developed many features for the 3D experience of the Enovia product and integrated with Designer Central PLM.

EDUCATION

CDAC-ACTS, Pune - Diploma in Advanced Computing

August 2008 - February 2009

B.S.A.C.E.T, Mathura — *B.Tech (Computer Science)*

July 2003 - June 2007

CERTIFICATIONS

- **Generative AI** - from DeepLearning.AI
- **GCP-certified** Professional Cloud Architect
- **Splunk** Certified Power User
- **Mulesoft-certified** developer integration and API

- **M101J** MongoDB for Java developer from MongoDB University with a 95% score.
- ***CSM** Certified Scrum Master from Scrum Alliance with a 96% score.
- **OCJP** Oracle Certified Professional Java SE 6 Programmer passed with a 95% score