

K. M. Tripathi

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CAREER SUMMARY

Tech Lead • Individual Contributor • Technical Manager • Technical Lead • Software Developer

- **An organized, energetic and highly resourceful software professional** with 14+ years of strong design/development experience in building large scale distributed applications.
- **Hands-on experience as developer** in OOAD development, enterprise application architecture and implementation and researching new technologies that can drive business innovation.
- **Hands-on experience of architectural styles and design patterns.** Deep understanding of Microservices architecture, Cloud computing, Big Data Technology and NoSQL database.
- **Experience and knowledge of open source software,** frameworks and broader cutting edge technologies around server side development in Java.
- **Technical expertise includes problem-solving, algorithms, data structures, design, architecture and security.**

AREAS OF EXPERTISE

Java, J2ee	NoSql (Cassandra, MongoDB)
Restful web services	RDBMS (Oracle, MySql, PostgreSQL)
Big Data	Microservices
Kafka, Spark, Elasticsearch	Node.js, AngularJS
React JS, Type Script	Python
Distributed System	Scalable /Fault tolerant

Spring, Spring Batch, Spring Boot, Spring Security, Spring Cloud
Amazon web services – AWS (EC2, S3, RDS, API Gateway, IAM, CloudWatch, CloudFront, Lambda, Elastic Beanstalk, ElasticCache .. etc)

Testing/Logging Frameworks - JUnit, Mockito, Powermock, EasyMock, Log4j.

Performance Analysis Tools - VisualVM, JProfiler, JConsole, Jmeter, Java Mission Control.

Version Control tools - Git, SVN/Subversion, CVS.

CI/CD tools - Maven, Jenkins, Bamboo, Gradle, Docker, Kubernetes

PROFESSIONAL EXPERIENCE

Byjus, Bengaluru as Tech Lead (*Mar 2021 – Dec 2021*)

Projects : Rnd (Research and Development) , EMS (Examination Management System)

Technology : Micro Services , Restful web services, React JS, Type Script, Python, AWS, Kafka, Elasticsearch,

- Requirements analysis, system architecture, software design & development as part of initiative for technology solutions (Real Time Data Processing, Analytics Platform, etc)
- Designed the solutions for common solutions for different requirements across teams.
- Lead the better solution for implementing the online reminders, notifications and schedule of exams with cross teams
- Cloud infrastructure and outlined the protocol for continuous application development and deployment.
- Mentored and managed high performance agile teams.
- Lead the team for Developing high quality mission critical projects.
- Effective decision maker for Architecting , Designing, Building and Management of small/large scale services/components based Enterprise Business Solutions.
- Work effectively with Stakeholders (business and technical).

Own work to setup a Start-up as Individual Contributor (*Jan 2018 – Feb 2021*)

Projects : Distributed Online Analytics Platform, Real Time Data Processing Platform.

Technology : Java, J2ee, Spring Boot, Restful web services, AWS, Kafka, Spark, Elasticsearch, Micro Services.

- Requirements analysis, system architecture, software design & development as part of initiative for technology solutions (Distributed Online Analytics Platform, Real Time Data Processing etc)
- Successfully designed and implemented allocation and inventory restful microservices.
- Successfully led, designed and architected an ingenious solution to speed product development and solution with a 10x improvement in execution times.
- Pioneered the new applications to the cloud infrastructure and outlined the protocol for continuous application development and deployment.
- Successfully mentored and managed high performance agile teams.
- Successful in developing high quality mission critical projects.
- Effective decision maker for Architecting, Designing, Building and Management of small/large scale services/components based Enterprise Business Solutions.
- Work effectively with Stakeholders (business and technical).

Servion Global Solutions, Bengaluru as Technical Manager (Dec 2015 - Dec 2017)

Projects : Social Media Manager, Selfpublish, Securitypublish.

Technology : Java, J2ee, Spring, Restful web services, Big Data, Oracle, Facebook API, Twitter API.

- Designing and implementing a web-scale, SOA-oriented platform to rapidly build and deploy composite content solutions that integrate with databases, content stores and applications.
- Lead the design, implementation and testing of product - ensuring that each activity is aligned with the overall business strategy and release strategy.
- Continually improve performance of product and the business Work diligently to ensure that processes are streamlined, and potential challenges are anticipated in advance, ensuring that team can maintain focus on the core goals and priorities of the organization.
- Worked on analytics engine during Social Media Manager based on Hashtag in Facebook and Twitter API able to make first stable release.
- Developed Automated process which reduced the process time 60% on average and 45% reduction in failures.

iApps India Pvt. Ltd., Bangalore as Technical Lead (Jun 2014 - Sep 2015)

Projects: iHeard, Clubs Alive, Camps.

Technology : Java, J2ee, Spring, Restful web services, AWS, Node.js, Kafka, Spark, Elasticsearch, AngularJS.

- Redesigned the next generation mobile platform (including globalization, currency conversion, ability to serve multiple POS, etc) using Solr, XML, JSON.
- Played a very critical role in coming up with solutions to blocking functional issues that directly resulted in strategic technology deliveries.
- Implementaion of AWS based services with Node.js increased the availibity and reduced the response time by 60%
- As a Backend Lead made unit test coverage (from 27% to 75% in less than 1 year) as part of release.
- Introduced Agile Scrum methodology to track the development with cross functional teams addition to encouraging the use of best practices.

Sabre Travel Technologies Pvt. Ltd as Contributor (Mar 2011 – Apr-2014)

Projects : Hotel Price Engine, Batch Hotel aggregator, Deals/Promotions/Lead Price Services.

Technology : Java, J2ee, Spring, Batch Restful web services, Solr, Hadoop, Cassandra, MongoDB.

- Served as a Senior Contributor and managed deadlines/project deliverables.
- Hands-on development expertise creating production-strength applications based on wide variety of modern technologies including J2EE, SOA, XML, Spring and NoSQL.
- As a developer followed roadmap of the product along with the development & devops teams across Lastminute.com & Travelocity.com.
- As a developer, ensured seamless interaction across distributed teams and facilitated daily stand*ups in addition to encouraging the use of best practices.
- Optimally applied team mentoring and people management skills to create effective business solution.
- Showcased and encouraged cross team collaboration by leveraging on the knowledge base of a variety of teams.
- Emphasized the need to adhere to quality parameters and have lead by example by creating various templates viz. log monitoring, memory footprints, response times etc.
- Displayed the ability to forecast the project's delivery by gathering and evaluating requirements, providing project estimates and performing risk assessments.
- Performed in*depth analysis of legacy code and provided robust and effective solutions to create a better customer experience.

Infinite Computer Solutions, Bangalore as Senior Software Engineer

(Jul 2008 – Sep 2010)

UM InfoNexus, Noida as Software Engineer

(Jul 2006 – Jul 2008)

Education

Master of Computer Application (MCA) - 2006

Institute of Engineering and Technology (**Government Engineering College**), Lucknow

Bachelor of Science (B.Sc.) (Mathematics, Physics, Chemistry) - 2003

University of Allahabad, Prayagraj