

CHINMOY TARAFDAR

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PROFESSIONAL SUMMARY

Results-driven software professional with 14 years of experience architecting, designing, and developing scalable, enterprise-grade applications. Specialized in Java, Spring Boot, REST/GraphQL APIs, and modern front-end frameworks like React.js. Proven expertise in microservices architecture, cloud platforms (AWS, Azure), and DevOps practices including CI/CD, containerization, and infrastructure automation. Strong command of performance optimization, API integration, and system design. Adept at leading cross-functional teams in Agile environments, driving innovation through SOLID principles, design patterns, TDD/BDD, and leveraging Generative AI tools for enhanced productivity and code quality.

TECHNICAL SKILLS

Programming Languages: Java, Python, SQL, JavaScript (ES6+), TypeScript, HTML5, CSS3, Node JS, J2EE

Frontend Frameworks: React.js, Next.js, Bootstrap, AngularJS, Angular, NGRX, RXJS, jQuery

Backend & Frameworks: Spring Boot, Spring Cloud, Spring Framework, JAX-WS, Hibernate, Struts, OpenJPA, Node.js, Express.js,

Testing & QA: JUnit, TestNG, Mockito, Selenium, JEST, Postman, Cucumber, Mocha, Selenium

Cloud Platforms: AWS (Lambda, ECS, S3, CloudFormation, API Gateway, ALB, Aurora), Azure (Functions, Logic Apps), GCP (Cloud Functions, Pub/Sub)

DevOps & CI/CD: Docker, Kubernetes, Jenkins, GitHub Actions, Maven, Helm, Terraform, RLM, Autosys, Istio

Monitoring & Observability: Prometheus, Grafana, ELK Stack, CloudWatch, Splunk, Datadog .

Databases & Storage: Oracle, PostgreSQL, SQL Server, MongoDB, Redis, DynamoDB, Amazon RDS, FAME

API Technologies: REST API, GraphQL, WebSocket, gRPC, OpenAPI (Swagger), Apigee

Versioning & Tools: Git, Bitbucket, SVN, JIRA, Confluence, SonarQube, Nexus

Architectures: Microservices, Event-Driven, Serverless, Domain-Driven Design (DDD), CQRS, Hexagonal Architecture

Practices: Agile (Scrum/Kanban), TDD, BDD, CI/CD, Clean Architecture, Performance Tuning

AI Tools & Productivity: GitHub Copilot, AWS CodeWhisperer, ChatGPT, AI4iCPS Toolkit

Other Skills: Performance Optimization, System Design, Requirement Gathering, Team Leadership, Code Review, Technical Documentation, Client Engagement, Hystrix, RxJava, Akka, Auth0, Linux, MVC, AOP, IoC, Log4j, Logback, or SLF .

PROFESSIONAL EXPERIENCE

Technical Architect

Tata Consultancy Services LTD., Irving, TX, US | July 2020 – present

- Designed scalable, secure, and high-performance enterprise applications using microservices

architecture.

- Developed architectural diagrams and technical documentation to support complex system integrations.
- Led the design and implementation of multi-cloud solutions across AWS and Azure, utilizing cloud-native services and best practices.
- Implemented enterprise-grade monitoring, logging, and caching strategies, along with strong security practices including authentication, authorization, encryption, and vulnerability mitigation.
- Designed real-time messaging systems with Kafka and WebSocket for asynchronous and event-driven workflows.
- Championed the use of Generative AI tools (e.g., GitHub Copilot) to enhance code quality, streamline development processes, and accelerate delivery timelines.
- Played a key role in Agile development cycles—leading sprint planning, participating in daily stand-ups, and conducting retrospectives.
- Collaborated with cross-functional teams, product owners, and stakeholders to ensure timely and efficient delivery of business-critical features.
- Architected and maintained end-to-end data pipelines using modern ETL tools, ensuring reliable and efficient data flow from source systems to domain-specific repositories.
- Optimized database operations through advanced data modeling, indexing strategies, and query performance tuning for both SQL (Oracle, SQL Server) and NoSQL (MongoDB) platforms.

Senior Full Stack Developer

Tata Consultancy Services LTD., India | July 2011 – July 2020

- Developed responsive SPA using React.js, Next.js, and integrated with GraphQL/REST APIs.
- Built scalable RESTful apis using Java and Spring Boot to support microservices-based architecture.
- Practiced Test-Driven Development (TDD) and Behavior-Driven Development (BDD) using JUnit, Mockito, and JEST, resulting in improved code coverage and reduced defect rates.
- Engaged in client interactions, including requirement gathering, sprint planning, and release management.
- Led the migration of monolithic applications to cloud-native solutions using Docker, Kubernetes, and AWS, improving scalability and maintainability.
- Implemented efficient CI/CD pipelines with Jenkins and Maven, reducing deployment time by 40% and enhancing release consistency.
- Spearheaded performance optimization initiatives using Redis caching and real-time monitoring with Prometheus, improving system responsiveness.

EDUCATION

Bachelor of Technology in Computer Science

Westbengal University of Technology, Location | July 2007 - June 2011

CERTIFICATIONS

- AWS Certified Developer - Associate
- Microsoft Certified: Azure Developer Associate

- Academy Accreditation - Generative AI Fundamentals
- Microservice - Certificate of completion by Edureka
- Kubernetes Administrator (CKA) - Certificate of completion by Edureka
- AI for real world applications by IIT Kharagpur AI4iCPS