Abhishek Singh

+91 9884177514 | 8manrocks@gmail.com | github | linkedin

EXPERIENCE

SIEMENS | SOFTWARE ENGINEER
Mar 2024 – Present | Bangalore

- Built an **Agentic AI Framework** with a reasoning loop and **Model Context Protocol (MCP)** integration.
- Implemented multi-tenant **SSO** with **Dynamic Client Registration**, auth-server discovery via **PRM**, and full **PKCE** / token-lifecycle management as per **MCP**.
- Developed a **WebSocket**-based chat interface backed by **Redis Pub/Sub** for message channels and asynchronous backups to **S3**.
- Created **Kibana** dashboards for metrics including tokens consumed, average response time, and agent latency.

EPAM SYSTEMS | SOFTWARE ENGINEER
Aug 2023 – Mar 2024 | Gurugram

- Developed an **Enterprise Service Bus (ESB)** supporting data transformation and parallel batch execution.
- Led migration from **Angular 16 -> 19** and **Jakarta 8 -> 10** across shared libraries and app modules, including creation of migration scripts and guildes for upstream consumers.
- Ensured 90% plus unit test code coverage using **Karma, Junit & Mockito** as well as end to end testing using **Cypress**.

DELOITTE | CONSULTANT
Jan 2022 – Aug 2023 | Gurugram

- Built an insurance claims dashboard using **React** with fraud-detection using machine learning and a **GraphQL** aggregation layer to support the dashboard.
- Integrated **Kafka** and **WebSockets** for real-time notifications from on-call events.

TATA CONSULTANCY SERVICES | SYSTEMS ENGINEER
Aug 2019 – Jan 2022 | Indore

- Built an **Angular** dashboard consuming **REST APIs** built using **Springboot** for policyholder information.
- Migrated on-premise services to **AWS EKS**.

SKILLS

Languages: Java, C++, TypeScript, JavaScript, SQL, HTML, CSS
Frameworks: Spring Boot, Hibernate, Java EE, Node.js, Angular, React
Databases: PostgreSQL, MongoDB, DynamoDB, Redis
Cloud / DevOps: AWS (EKS, SQS, S3, CloudWatch), Docker, Kubernetes, Git, Jenkins
Monitoring / Messaging: Kafka, WebSockets, Datadog, ELK, Grafana

CERTIFICATIONS

AWS CERTIFIED DEVELOPER – ASSOCIATE

EDUCATION

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY | BACHELOR OF TECHNOLOGY
Jul 2015 – May 2019 | Chennai, Tamil Nadu
GRADUATED WITH DISTINCTION