

Ranjit Singh

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Portfolio Site: <https://rsingh-tech.github.io/>
Repos: <https://github.com/orgs/ranjit-engineering-lab/repositories>

PROFESSIONAL SUMMARY

Results-oriented Full Stack Software Engineer with 12+ years of experience building end-to-end cloud-native applications, from responsive frontends to scalable microservices backends, RESTful APIs, and distributed systems. Expert in Java, Spring Boot, Python, modern web frameworks, and DevOps practices, with deep proficiency in AWS, Azure, and CI/CD automation. Hands-on experience in AI/ML integration to deliver intelligent, secure, and high-performance software solutions.

CORE TECHNICAL SKILLS

Programming Languages: Java, Python, SQL

Backend Development: Spring Boot, Spring Cloud, Spring Security, Hibernate, JPA, FastAPI, Flask

Frontend Development: React, JavaScript, TypeScript, HTML5, CSS3, ExtJS

Cloud & Infrastructure: AWS (EC2, S3, Lambda, RDS, Redshift), Azure, Docker, Kubernetes

API & Integration: REST APIs, SOAP, Apache Kafka, RabbitMQ, ActiveMQ, OpenAPI

AI/ML Integration: Machine Learning, Model Deployment, ML APIs, Data Processing Pipelines, Feature Engineering

Data Analytics: PySpark, Apache Spark, Databricks

ADDITIONAL TECHNICAL PROFICIENCIES

DevOps & Automation: CI/CD (Jenkins, GitLab, GitHub Actions), Maven, Gradle, Terraform, Bash

Databases: PostgreSQL, MySQL, SQL Server, Oracle, MongoDB, Redis, Apache Cassandra

Security & Authentication: OAuth 2.0, OpenID Connect, SAML 2.0, LDAP, JWT, SSL/TLS

Enterprise Integration: Data Transformation, B2B Integration, ETL/ELT, XPath

EMPLOYMENT

FedEx Corp Operations Co-ordinator Calgary, Alberta, Canada Part Time	<i>Sep 2025 - Present</i>
Kumaran Systems Sr. Technical Lead Chennai, India Full Time	<i>Dec 2024 – Aug 2025</i>
Adeptia India Pvt Ltd Sr. Technical Lead Noida, India Full Time	<i>Jul 2013 to Sep 2024</i>

PROFESSIONAL EXPERIENCE

Senior Technical Lead Adeptia India Pvt Ltd Noida, India	<i>Oct 2022 – Sep 2024</i>
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Product: Adeptia Connect Enterprise Platform

- Architected and delivered end-to-end enterprise integration platform serving Fortune 500 clients, resulting in 40% faster deployment times and improved system reliability
- Led team of 10+ developers through full software development lifecycle, mentoring junior engineers to senior-level positions while maintaining 100% on-time project delivery
- Engineered high-performance microservices backend using Spring Boot and Spring Data JPA, optimizing data access layers and reducing API response times by 35%
- Pioneered comprehensive no-code framework for cloud application connectors, reducing integration time-to-market from weeks to days and empowering non-technical users
- Implemented enterprise-grade security with SAML and LDAP integration, ensuring SOC 2 compliance and passing security audits for multiple Fortune 500 clients

Technical Lead

Jun 2020 - Sep 2022

Adeptia India Pvt Ltd | Noida, India

Product: Adeptia Connect (Cloud) Platform

- Led design and development of cloud-native integration platform, scaling to support 500+ enterprise clients with 99.9% uptime
- Architected scalable framework for cloud application connectors (Salesforce, SAP, AWS, Azure), enabling seamless integration across 50+ SaaS platforms
- Implemented machine learning powered anomaly detection system for integration workflows, proactively identifying failures and reducing mean time to detection (MTTD) by 60% across production environments
- Designed reusable REST and SOAP web service providers integrated with process orchestration, reducing development time by 50% for new integrations
- Implemented OAuth 2.0 and OpenID Connect authentication mechanisms, strengthening security posture and achieving compliance with enterprise security standards
- Modernized legacy product architecture, improving system performance by 45% and scalability to handle 3x traffic growth

Senior Software Engineer

Nov 2016 - May 2020

Adeptia India Pvt Ltd | Noida, India

Product: Adeptia Integration Suite

- Enhanced core product framework supporting 1000+ enterprise customers, improving system performance by 30% and reducing critical bugs by 40%
- Designed and implemented enterprise-grade data security features including encryption, decryption, and key management systems ensuring HIPAA and PCI-DSS compliance
- Architected comprehensive system console for real-time monitoring, enabling proactive issue detection and reducing mean time to resolution (MTTR) by 60%
- Extended existing frameworks to support new features while maintaining backward compatibility across 200+ client deployments

Software Engineer

Jul 2013 - Oct 2016

Adeptia India Pvt Ltd | Noida, India

Project: Intake Assist | **Client:** University of Michigan (US)

- Developed secure healthcare intake system processing 10,000+ patient records monthly with zero data breaches
- Designed intuitive user interfaces improving staff efficiency by 25% and reducing data entry errors by 40%
- Collaborated with senior developers to identify and resolve critical issues, ensuring 99.5% system availability

Project: Work Opportunity Tax Credit | **Client:** Illinois Department of Employment Security (US)

- Built tax credit calculation engine processing 50,000+ applications annually, ensuring 100% accuracy in compliance calculations
- Developed reporting tools providing employers with WOTC insights, resulting in \$2M+ in tax credits claimed
- Designed APIs for seamless data exchange between employers and state workforce agencies
- Implemented comprehensive testing strategy (unit, integration, end-to-end) achieving 95% code coverage

Note: Worked on multiple enterprise and client-facing projects, some of which are not publicly describable due to confidentiality and NDA obligations.

EDUCATION

Master of Engineering (MEng) in Computer Engineering

Pursuing

University of Calgary, Alberta, Canada

Bachelor of Technology in Computer Science Engineering

Sep 2009 - Apr 2013

Punjab Technical University, Punjab, India