

# Ranjit Singh

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## PROFESSIONAL SUMMARY

Results-oriented Full Stack Software Engineer with 11+ 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.

## EDUCATION

### Master of Engineering (MEng) in Computer Engineering

University of Calgary, Alberta, Canada

Sep 2025 - Apr 2027 (Expected)

### Bachelor of Technology in Computer Science Engineering

Punjab Technical University, Punjab, India

Sep 2009 - Apr 2013

## 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, 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

## PROFESSIONAL EXPERIENCE

### Senior Technical Lead

Adeptia India Pvt Ltd | Noida, India

Oct 2022 – Sep 2024

**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
- Developed intelligent data mapper using machine learning algorithms to automatically map data fields across applications, reducing manual mapping time by 70% and improving accuracy to 95%
- 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