Tanujdeep Singh

tanujdeepsingh@gmail.com | +91 8851801115 | LinkedIn | GitHub | Portfolio

PROFESSIONAL EXPERIENCE

RIA INSURETECH
New Delhi
Senior Software Developer — April 2023 - Present

- **Lead technical initiatives** in developing scalable microservices architecture using Spring Boot
- **Mentored junior developers** through pair programming sessions and code reviews, establishing coding standards and best practices.
- **Architected high-performance REST APIs** with Spring Boot, implementing caching strategies with Redis and optimizing database queries, achieving 40% faster response times

Software Developer — September 2020 - March 2023

- **Developed comprehensive insurance platform** with configurable workflows using Spring Boot, Angular, and PostgreSQL, reducing claims processing time by 40% and underwriting by 35%
- **Created end-to-end microservices** including low-level system design, REST APIs, database schemas, and entity relationships.
- **Integrated third-party payment gateways** and insurance APIs, implementing secure data exchange protocols and atomic transactions.

AAP DA
New Delhi
Data Analyst Intern — June 2019 - September 2019

- **Analyzed datasets** and conducted **exploratory data analysis** using Python (Pandas, NumPy, Matplotlib, Tableau) and created interactive dashboards to identify patterns and enable data-driven decisions

KEY PROJECTS

USER ACCESS MANAGEMENT | System Architecture |
Febuary 2025 – April 2026

- **Designed entity-level access control** system supporting team, organization, and member-based permissions with granular security policies
- **Developed configurable authentication mechanisms** to handle complex tenant hierarchical structures and varying permission inheritance patterns
- **Implemented dynamic authorization engine** that adapts to different tenant configurations while maintaining security and performance

SYMPHONY | An Insurance Workflow Management System |
Febuary 2020 – April 2024

- **Developed comprehensive system** handling 1000+ daily quote requests with proposal tracking and ACL management
- **Built RESTful APIs** with Spring Boot and integrated with external insurance providers

AQUABIN | a hardware solution for cleaning lakes and rivers |
=>project here<=
Febuary 2020 – April 2020

- Motivation: A solution project for the **Smart India Hackathon(SIH)**
- Consulted with team members, designed and implemented a boat **system for automated and manual cleaning** of water bodies
- **Developed an application** on flutter which allowed user to interact with a live stream from the camera on board the boat
- Put together an online joystick operating the boat via the application

EDUCATION

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY
B.Tech Computer Science Engineering
September 2016 - September 2020
GPA: 7.3 / 10.0

SKILLS

PROGRAMMING/MARKUP

Proficient
- Java

Comfortable
- Python •Javascript •HTML •CSS

Familiar
- Dart •C++

FRAMEWORKS/TECHNOLOGIES
- Spring Boot, Spring Security
- React, Node

TOOLS & DATABASES
- PostgreSQL, MongoDB, Redis
- Docker, Kubernetes, GitLab CI/CD
- AWS (EC2, S3, RDS, Lambda)
- Maven, Gradle

DEVELOPMENT PRACTICES
- Microservices Architecture
- Test-Driven Development
- Agile/Scrum Methodologies

LEADERSHIP & MENTORING

Technical Mentor
RIA InsureTech (2022-Present)
Mentoring multiple junior developers and leading architecture discussions

Mentor
Technovation Girls 2020
Team: "Gnarlie's Angels" - One of 6 global semifinalists from India

CERTIFICATIONS

Big Data Hadoop certified from Headstart IBM
June 2017- August 2017

Complete Data Science Training with Python for Data Analysis
January 2019 – April 2019