# **Snehasish Chakraborty**

## Full Stack Engineer | Cloud & DevOps Specialist

Experienced software engineer with 9+ years of expertise in Full Stack development, Cloud technologies, and DevOps practices. Proven track record of leading teams, architecting solutions, and delivering enterprise-grade applications across Pharma, Travel, and Banking industries.

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## **Professional Experience**

## **Technical Squad Lead**

American Airlines @ Cognizant

February 2023 - Present

Leading the design and development of a key application used by pilots for managing their schedules. Responsibilities include gathering requirements, planning work, creating technical solutions, and guiding team members to meet business goals while maintaining high code quality.

**Key Achievements:** Implemented Active-Active architecture to enhance reliability and availability of mission-critical system components. Orchestrated the transformation of the product's network infrastructure to a Hub/Spoke topology, significantly improving scalability and performance. Optimized production support processes, resulting in enhanced system stability and reduced incident resolution time.

Spring Boot Angular Azure Terraform GitHub Actions

#### **Lead Developer**

Western Union @ Cognizant

January 2022 - February 2023

Analyzed Low Level Design documents representing legacy Mainframe systems, designed APIs to serve as interfaces and middleware for multiple downstream systems, and implemented these APIs using Spring Boot and AWS. Mentored junior developers and improved the overall development process.

**Key Achievements:** Acquired hands-on experience with various DevOps tools and AWS services. Successfully mentored junior developers, resulting in improved team performance. Contributed to the early completion of a major project, which received positive feedback from stakeholders.

Spring Boot AWS ECS AWS Fargate AWS Lambda Microservices

## **Architect & Lead Developer**

Johnson & Johnson @ Tata Consultancy Services

February 2021 - December 2021

Led the design and development of a new application managing training data for medical scientists. Gathered requirements, created architecture, and implemented solutions using Spring Boot and Angular. Architected and developed the E22 Authentication flow using Spring Security SAML and Keycloak.

**Key Achievements:** Engineered a robust end-to-end authentication flow for both internal users via SSO and external users through secure credential-based access. Successfully passed comprehensive security audits with A+ratings, demonstrating exceptional security standards with zero vulnerabilities.

Angular Spring Boot Keycloak Spring Security SAML AWS EC2

## **Lead D2 Developer**

Johnson & Johnson @ Tata Consultancy Services

March 2020 - February 2021

Involved in the design and development of essential components for the D2 application, including Properties Page, D2 context, Auto Naming and Auto Linking, and Lifecycle and Workflow policies. Spearheaded the creation of D2 Plugins and led the development of custom Spring Boot applications leveraging D2FS and DFC.

D2 D2FS OpenText LSR&D D2 Plugin Spring Boot

## **Architect & Lead Developer**

Johnson & Johnson @ Tata Consultancy Services

February 2019 - February 2020

Spearheaded comprehensive development projects, independently mastering Spring Boot and leveraging its capabilities to architect and deliver robust applications. Provided mentorship to freshers and managed the creation of multiple applications tailored to distinct technical requirements.

**Key Achievements:** Successfully delivered multiple enterprise-grade products within a short timeframe with a lean team. Introduced SAML SSO for the first time within the entire account, establishing expertise in SAML implementations.

Spring Boot Spring Data JPA Spring Security SAML RBAC Mentorship

## **Java Developer and Support Associate**

Johnson & Johnson @ Tata Consultancy Services

April 2016 - February 2019

Served as the primary production support and on-call associate, addressing end user issues promptly. Proactively identified operational bottlenecks and implemented innovative process improvements. Designed and developed support automations that streamlined incident management.

**Key Achievements:** Support automations delivered measurable efficiency gains, saving more than 100% of Full-Time Equivalent (FTE) effort across the portfolio. Early engagement with process and product improvements led to a broader role as a subject matter expert.

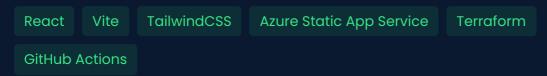
Java DFC Documentum Automation Production Support

## **Notable Projects**

#### Portfolio Website v2

April 2024 - June 2025

Developed a modern, responsive portfolio website utilizing React and TailwindCSS. Implemented infrastructure as code principles with Terraform for Azure deployment. Established a robust CI/CD pipeline using GitHub Actions for automated testing and deployment.



#### Homelab

January 2025 - Present

Designing and implementing a comprehensive homelab environment for experimenting with enterprise-grade technologies. Establishing infrastructure as code practices using Terraform, containerization with Docker and Portainer, identity management via Keycloak, and DNS services with Bind9.



## **Spring Client Resolver Library**

February 2023 - April 2023

Created a Spring Boot library that can detect Client Information calling an endpoint, providing valuable insights for API monitoring and security. The library was designed with an architecture that allows for easy extension, making it accessible for anyone willing to contribute.



## **Technical Skills**

## **Programming Languages**

Java JavaScript TypeScript

HCL C# VBA

## Frontend Technologies

React Angular TypeScript Vite

TailwindCSS Gatsby jQuery

Thymeleaf Java Swing

#### **Backend & Frameworks**

Spring Boot Spring Security

Spring Data JPA Spring Data LDAP

Spring Data Rest

Spring Security SAML

API Development Microservices

Maven Central

#### **Cloud Platforms**

**Azure App Services** Azure **Azure Functions Azure Logic Apps** Azure SQL Database Azure Key Vault Azure Storage **Azure Container Instances** Azure Traffic Manager Azure Static App Service **AWS** AWS ECS **AWS Fargate** AWS Lambda AWS EC2 API Gateway CloudWatch CloudFormation Cloudflare

#### **DevOps & Infrastructure**

Terraform GitHub Actions Docker

Portainer Jenkins Spinnaker

Apache Airflow CI/CD Pipelines

Infrastructure as Code GitOps

#### **Identity & Security**

Keycloak Okta RBAC SAML SSO

Single Sign-On Security Audits

Authentication Flow

## **Databases & Data**

Oracle 12c Azure SQL Database

## **Enterprise Content Management**

Documentum D2 D2FS DFC

