

# 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

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### 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

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## Notable Projects

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### 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.

React

Vite

TailwindCSS

Azure Static App Service

Terraform

GitHub Actions

### 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.

Virtual Machine

Linux

Azure

Terraform

Docker

Keycloak

### 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.

Spring Boot

Java

Maven Central

API Development

Open Source

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# Technical Skills

## Programming Languages

Java JavaScript TypeScript  
HCL C# VBA

## Backend & Frameworks

Spring Boot Spring Security  
Spring Data JPA Spring Data LDAP  
Spring Data Rest  
Spring Security SAML  
API Development Microservices  
Maven Central

## DevOps & Infrastructure

Terraform GitHub Actions Docker  
Portainer Jenkins Spinnaker  
Apache Airflow CI/CD Pipelines  
Infrastructure as Code GitOps

## Databases & Data

Oracle 12c Azure SQL Database

## Frontend Technologies

React Angular TypeScript Vite  
TailwindCSS Gatsby jQuery  
Thymeleaf Java Swing

## Cloud Platforms

Azure Azure App Services  
Azure Functions Azure Logic Apps  
Azure Key Vault Azure SQL Database  
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

## Identity & Security

Keycloak Okta RBAC SAML SSO  
Single Sign-On Security Audits  
Authentication Flow

## Enterprise Content Management

Documentum D2 D2FS DFC

DNS Management

Bind9

D2 Plugin

D2 Config

OpenText LSR&D

IBM SCORE

IBM WebSphere

DqMan

## Development Tools & IDEs

IntelliJ IDEA

WebStorm

Rider

Cursor

Postman

Git

GitHub

JIRA xray

Warp

## Operating Systems & Platforms

Windows

MacOS

Linux

Virtual Machine

Oracle VM VirtualBox

Proxmox

## Web Technologies & CMS

WordPress

Web Hosting

SEO

Content Strategy

Personal Branding

## AI & Development Assistance

GitHub Copilot

Jetbrains AI

Ollama

LMStudio

Vibe Coding

## Soft Skills & Leadership

Team Leadership

Mentorship

Problem Solving

Process Improvement

Technical Writing

Innovation

Critical Thinking

End User Engagement

Email Communication

Live Problem Solving

Production Support

Automation

Production Monitoring

Operational Excellence

Knowledge Transfer

Community Engagement

Agile